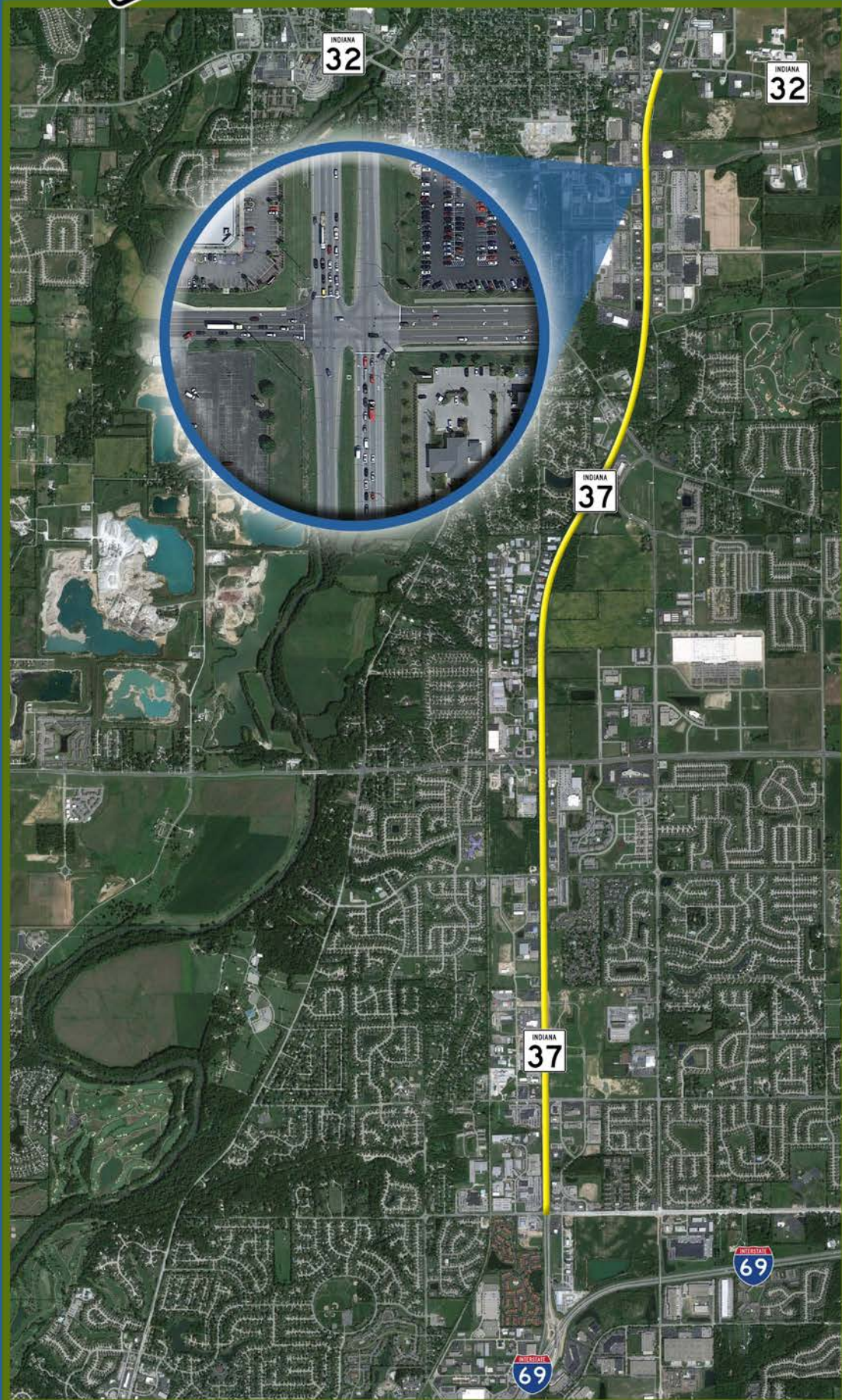




# SR 37 MOBILITY STUDY



## SR 37 AND PLEASANT STREET

*Presented to:*



*Presented by:*







# SR 37 Mobility Study Pleasant Street at SR 37

## Description of Proposed Project

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### **I. GENERAL**

The Indiana Department of Transportation, the Indianapolis Metropolitan Planning Organization, Hamilton County, Town of Fishers, and City of Noblesville have identified the need to significantly improve the SR 37 corridor from 126<sup>th</sup> Street to SR 32 / SR 38. The Study area also extends along 146<sup>th</sup> Street from Allisonville Road to Cumberland Road. The Study was funded 80% by the Federal Highway Administration through the MPO with the remainder provided by Hamilton County.

### **II. PURPOSE**

The purpose of the Study was to evaluate whether grade separation of the existing intersections would improve the traffic capacity, efficiency, and safety for the project corridors without the need to add additional travel lanes along this segment of the SR 37 corridor. This includes the basic concept of reconstructing each of the existing and anticipated signalized intersections through this segment of SR 37 to interchanges; thus eliminating the need for added travel lanes along the corridor. If this was shown to be an improvement, then the Study was to further identify a preferred design solution for future improvements along the SR 37 corridor and to identify potential environmental concerns that may be present, and to establish a reliable budget to construct these improvements.

The preferred design solution was defined to a level which will allow officials with the INDOT, MPO, Hamilton County, Town of Fishers, and the City of Noblesville to begin making necessary amendments to their requisite Planning Documents.

### **III. EXISTING FACILITY**

The subject corridor is located in south central Hamilton County in Delaware and Noblesville Townships, and in the Town of Fishers and City of Noblesville. SR 37 runs south to north through Hamilton County; including the Study area. Additionally, SR 37 is intersected by I-69 immediately south of the Study area. SR 37 is designated as a state highway in central Indiana. Near the Study area SR 37 begins at I-69 and proceeds in a northerly direction before terminating in the City of Marion, Grant County. The items identified in bold below show the existing roadway system at SR 37 and Pleasant Street:

Table 1 – Existing Roadway System

Facility	Traffic Control	Travel Lanes	Functional Classification	Speed Limit (MPH)
<b>SR 37</b>	-	<b>4</b>	<b>Expressway</b>	<b>55</b>
<b>Pleasant Street</b>	<b>Signal</b>	<b>2 (West of SR 37)</b> <b>4 (East of SR 37)</b>	<b>Collector</b>	<b>35</b>

The following paragraphs give additional details for existing Pleasant Street within the Study area:

### Pleasant Street

Pleasant Street crosses SR 37 at a right angle to form a four way at-grade intersection. SR 37 is classified as an Expressway through the limits of this intersection and has limited access right of way. Through the limits of this intersection, SR 37 is a four lane roadway with two 12-foot travel lanes, a four foot paved inside shoulder and ten foot paved outside shoulder. The northbound and southbound travel lanes are separated by a 50 foot open grass median. The existing pavement is full depth HMA and is in good condition. Next to all SR 37 turn lanes at the intersection, the shoulders are four feet wide.

Pleasant Street is classified as a Collector through the limits of this intersection and is not access controlled. On the west side of the existing intersection, outside the intersection limits, Pleasant Street is a two lane roadway with two 12-foot travel lanes, outside curb and gutter and a six foot sidewalk on each side. The existing pavement on the west side of the intersection is full depth HMA and is in good condition. Within the intersection limits, the north side of the roadway is bordered by curb and gutter and a six foot sidewalk. The south side of the roadway is bordered by a five foot shoulder from SR 37 to approximately 220 feet west of the intersection. The south side of the roadway west of this point is bordered by curb and gutter and a six foot sidewalk.

One the east side of the existing intersection, outside the intersection limits, Pleasant Street is a four lane roadway with two 12-foot travel lanes in each direction bordered by curb and gutter, and an eight foot pedestrian pathway on the south side separated by a five foot grass buffer. The eastbound and westbound lanes are separated by a 16 foot wide raised center median. The existing pavement within the intersection limits on the east side is full depth HMA and is in good condition. Outside curb and gutter and an eight foot pedestrian pathway borders both sides of the roadway separated by a five foot grass buffer. There is also a painted five foot wide painted flush median in this area.

The intersection of SR 37 and Pleasant Street is a signalized intersection, operating as an 8 phase signal with protected left turns in each direction. Approaching the intersection, SR 37 has one left turn lane, two through lanes, and one right turn lane on each approach. Pleasant Street has one left turn lane, one through lane, and one right turn lane on the westbound approach; and one left turn lane and one shared right/through lane on the eastbound approach.

The intersection is bordered by businesses in each quadrant. For a listing of each business adjacent to the intersection, see the aerial displays.

#### **IV. EVALUATED BUILD ALTERNATIVES**

The Study evaluated two primary build alternatives: upgrading the existing SR 37 corridor with either teardrop roundabout interchanges (Alternative 1) or tight diamond interchanges (Alternative 2). Both alternatives will significantly improve traffic operations at the Study intersections.

#### **V. TRAFFIC OPERATION ANALYSIS**

Table 2 shows the results of the Capacity Analysis for the proposed improvements at SR 37 and Pleasant Street for the study year of 2036. A teardrop roundabout interchange is proposed, with a 4-lane bridge crossing SR 37.

Table 2 – Alternative 1 (2036) Capacity Analysis												
Intersection	Traffic Control	Peak	West Leg		East Leg		South Leg		North Leg		Overall	
			LOS	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)	LOS	Delay (sec)
SR 37 NB Ramps and Pleasant Street	Roundabout	AM	A	1.8	A	1.8	A	1.8	--	--	A	1.8
		PM	A	2.4	A	3.6	A	2.4	--	--	A	3.0
SR 37 SB Ramps and Pleasant Street	Roundabout	AM	A	1.8	A	1.8	--	--	A	1.8	A	1.9
		PM	A	3.6	A	2.4	--	--	A	3.0	A	2.9

Please see the Traffic Operation Analysis (binder labeled Traffic Operation Analysis) to review the Study area results in their entirety.

#### **VI. GEOTECHNICAL EVALUATION**

The corridor is located in a glaciated area. With the exception of the area near Stony Creek, the alignment is within a typical Central Indiana profile that consists of softer and moderate-plasticity clays overlying hard and low-plasticity clays, and bedrock is over 100 feet deep. The harder clays are usually within 20 feet of the surface. In addition, frequent seams and layers of granular soils can be encountered. This profile typically includes seasonal perched groundwater conditions within a few feet of the surface. From a design and construction perspective, CBR values are commonly in the range of 3 to 4, and subsurface drainage is typically required for pavement and below-grade structures (e.g., cut walls). Because of the perched groundwater and the clayey soils, improvement of the subgrade for support of pavement and construction activities is usually required, particularly in areas of cut. Support of bridges on driven piling and/or spread foundations is anticipated to be viable. In addition, support of MSE walls in these conditions typically includes preparation of the subgrade for the leveling pad and structure fill.

Cut walls over about 12 feet in height are anticipated to required tie-backs in order to control deflections, and the length of tie-backs is typically in the range of 25 to 50 ft.



An exception to the profiles discussed above is anticipated to be encountered at the SR 32/38 interchange. On the east side of SR 37 at that interchange, we anticipate that marly soils may be exposed and/or may create special design and construction considerations, such as remove and replace or ground improvement. An additional construction cost of \$500,000 is anticipated at the Pleasant Street intersection and \$1,000,000 at the SR 32 / SR 38 intersection to mitigate this condition.

A Geotechnical Evaluation will be required to evaluate the subsurface conditions and to provide the necessary information for a pavement design. This will include soil borings and a formal Geotechnical Report with recommendations that will be approved by INDOT.

## **VII. ENVIRONMENTAL INVESTIGATION**

Improvements to this intersection will require the completion of an environmental document to qualify for federal funding. A Categorical Exclusion as falling within the guidelines of the National List of Categorical Exclusions will be required for this project. The Categorical Exclusion will need to be prepared in a manner consistent with the latest version of the "Indiana Categorical Exclusion Manual". The paragraphs below highlight the key environmental issues associated with the proposed project.

### **Wetland and Stream Impacts**

The National Wetland Inventory Map shows no wetlands within the project limits. Unnamed Tributary to Stony Creek is located approximately 900 feet north of the intersection. A "Waters of the U.S." (wetland determination/delineation) report will be required to confirm and identify wetland boundaries and streams throughout the project limits.

### **Historic and Cultural Resources**

Archeological: The proposed project will result in the acquisition of undisturbed right-of-way. As a result, an Archaeological Records Review and Phase Ia Archaeological Survey will be required to identify potentially significant cultural resources within the preferred alignment.

Historical: The land use in close proximity and within the project area consists of commercial properties. The *Hamilton County Interim Report* shows no historic properties within the probable Area of Potential Effects. However, properties may have become 50 years of age since the publication of the interim report.

At a minimum, this project will require the completion of the following Section 106 documents: Phase Ia Archaeological Survey, Historic Properties Report and a Section 106 Findings and Determinations (36 CFR 800.11).

### **Hazardous Materials**

A search of the red flag indicators revealed no potential hazardous waste sites within the project area. As a result, no further environmental site assessment is recommended for this intersection.

### **Regulatory Permits**

IDNR Construction in a Floodway: The proposed intersection improvements are within the floodway of unnamed tributary to Stony Creek. The proposed project will require a Construction in a Floodway Permit from the Indiana Department of Natural Resources – Division of Water.

IDEM Section 401 Water Quality Certification: The preferred alternative will require Section 401 Water Quality Certification from the Indiana Department of Environmental Management.

US Army Corps of Engineers Section 404 Permit: The preferred alternative will require a Section 404 permit from the Louisville District, U.S Army Corps of Engineers.

IDEM Rule 5 Permit: Since the project will disturb greater than one acre, Rule 5 administered through the Indiana Department of Environmental Management will apply to this project. The designer shall coordinate all erosion and sediment control measures with the Hamilton County Soil and Water Conservation District.

### **VIII. DRAINAGE**

The existing drainage on Pleasant Street is conveyed on the northwest leg of the intersection by sheet draining the pavement into the ditch which flows into the ditch along SR 37. All the other legs on Pleasant Street are conveyed by sheet draining the pavement to outside curb and gutters. Curb and gutter inlets are utilized to capture the storm water which flow toward SR 37 and drain into the ditches along SR 37. On mainline SR 37, the existing drainage is conveyed by an open grass median and outside ditches flowing north to an unnamed tributary to Stony Creek about 1060 feet north of the intersection.

The proposed drainage on Pleasant Street will utilize an enclosed storm sewer system consisting of curb and gutter inlets spaced appropriately which will connect to manholes. These manholes will then convey the water to an outside ditch along SR 37 where there is positive drainage from the ditch to the unnamed tributary to Stony Creek approximately 1060 feet north of the intersection. The drainage on SR 37 will be handled similarly. Inlets will be spaced along both sides of the median barrier as well as on the outsides against the walls. The inlets that are within the limits of the depressed profile will be conveyed by manholes to a lift station.

The lift station will be located in the northwest quadrant between the ramp and the wall on SR 37. A 20-inch forcemain is proposed between the wet well and the discharge location approximately 1060 feet north of the intersection out to the outlet stream. The proposed lift station will include two centrifugal submersible pumps for stormwater runoff installed within a precast concrete wet-well. An additional precast concrete valve vault will be installed adjacent to the wet well. An above grade control panel will be mounted on a pedestal at a discrete location near the lift station and a generator will be included for emergency backup power. The lift station will have a firm pumping capacity (one pump out of service) of 6,400 gpm.



## **IX. UTILITY COORDINATION**

The following paragraphs give details pertaining to the presence of utilities at Pleasant Street and SR 37. This is followed by a discussion of potential impacts resulting from the project.

### ***Existing Facilities***

UNITED conducted a site visit to identify existing utilities. Based on observations of above ground facilities (ie, manholes, valve boxes, pedestals, utility markers), we identified likely underground facilities. If more accurate information is required, “Holey Moley” or the individual utilities can be contacted.

**Electric:** Overhead electric transmission and distribution runs along the south side of Pleasant Street, west of SR 37. From the southwest corner of the intersection, the overhead transmission runs north along the west side of SR 37 to Clover Road. The guy wires for the transmission poles on the southwest corner cross over Pleasant Street to the anchor poles on the northwest corner. The overhead distribution crosses over SR 37 to the southeast corner, where it proceeds north along the east side of SR 37 for approximately 600 feet before crossing back to the west side of SR 37. There is no overhead electrical on Pleasant Street east of SR 37. Electrical service to property owners is underground.

**Gas:** A gas pipeline is located on the south side of Pleasant Street with service laterals to properties on both sides of the street.

**Telecommunication:** Various telecommunications facilities are located on the overhead electrical, with underground service to properties on both sides of the street.

**Water:** The water main is on the north side of Pleasant Street with service laterals to properties on both sides of the street.

**Sanitary:** There is no evidence of a sanitary sewer system.

**Street Lighting:** Cobra-style street lights are located on the north side of Pleasant Street, west of SR 37. The spacing is approximately 200 feet. Decorative street lights are located around the roundabout, east of SR 37.

### ***Impacts***

The preferred alternative has Pleasant Street going over SR 37 and connecting to the existing roundabouts on east side and the proposed roundabout at Clover Road (west of SR 37). Minor relocation work on Pleasant Street is expected based on relatively small change in profile grade.

The proposed lowering of SR 37 could impact the overhead electric transmission and distribution based on the proposed right-of-way on the west side of SR 37. Typically, overhead electrical transmission lines are located in easements due to the additional height of the facility and the complexity of the service. It is expected that this facility is in an easement. The anticipated reimbursable relocation cost to obtain new easements and to relocate this facility overhead within the new easement is \$750,000.

All other existing utilities appear to be in the existing right-of-way and are not eligible for reimbursement of relocation costs.

## ***X. PROPOSED INTERSECTION FACILITY***

### **SR 37**

Existing SR 37 is a four lane expressway with four 12-foot travel lanes, four foot inside shoulders, and ten foot outside shoulders. The northbound and southbound travel lanes are separated by a 50 foot open grass median (inside travel lane to inside travel lane). The existing right-of-way along SR 37 varies from mostly 85 feet to 95 feet from centerline on both sides. Many businesses line each side of the SR 37 right-of-way throughout the Study limits. The interchanges proposed in this Study require auxiliary lanes, ramp junctions, and ramp lanes adjacent to SR 37 travel lanes approaching each interchange from each side. Additional right-of-way will be required in many locations adjacent to ramp lanes and junctions. In an effort to minimize the amount of right-of-way required and the impacts to existing businesses, it is proposed that the SR 37 median be enclosed with a center median barrier and the SR 37 travel lanes be shifted in to narrow the width of the roadway through the interchange limits.

A 14.5 foot median is proposed, consisting of six foot inside shoulders and a 2.5 foot median barrier wall. Six foot is the desirable inside shoulder width required using Table 53-6 from the Indiana Design Manual (IDM). See the typical cross sections in this Study for full roadway dimensions. If any, one isolated interchange is constructed, the SR 37 travel lanes would shift back out on the north and south sides of the interchange to match the existing travel lanes and median width. As consecutive interchanges are constructed, it will not be feasible to shift lanes out to the existing median width and back in between most interchanges. If all interchanges were built concurrently, the median would remain enclosed from the south side of 126<sup>th</sup> Street to the north side of 146<sup>th</sup> Street, and from the south side of Town & Country Boulevard to the north side of SR 32 / SR 38. As there is sufficient distance between 146<sup>th</sup> Street and Greenfield Avenue, the travel lanes north of 146<sup>th</sup> Street could shift out the existing median width even if the 146<sup>th</sup> Street and Greenfield Avenue interchanges were constructed at the same time or consecutively. Furthermore, because of the layout and surrounding parcels at Greenfield Avenue, it is feasible to maintain the existing open median width through this location even when the proposed interchange is constructed. Where this is cost prohibitive at other locations due to right-of-way and business impacts associated with the wider roadway, it is economically feasible at the Greenfield Avenue Interchange. The travel lanes would shift back into an enclosed median south of Town and Country Boulevard and remain enclosed to north of SR 32 / SR 38, where the lanes would shift back out to meet the existing pavement.

This Study focuses on the interchanges; however the treatment of SR 37 proper, between the interchanges will be affected by each interchange's traffic and proximity to each other. The geometrics developed for this Study are unique to each area between interchanges according the findings of the Traffic Operations Analysis (TOA) conducted as part of this Study. In each segment between interchanges, in both directions, there will be an entrance ramp junction from one interchange followed by an exit ramp junction to the next interchange. This creates weaving areas between the interchanges, which were analyzed in the TOA. Some weaving



areas were acceptable and are recommended. Other weaving areas are not acceptable and have been removed by interconnecting consecutive interchanges with collector distributor lanes. See the TOA for the discussion and results of the weaving analysis conducted between interchanges. Below is a summary of the proposed configuration of SR 37 near Pleasant Street:

#### **Between Town and Country Boulevard and Pleasant Street**

The northbound weaving segment is acceptable; however the southbound weaving segment fails. The northbound entrance ramp from Town and Country Boulevard and the northbound exit ramp to Pleasant Street will be conventional entrance and exit ramps. There will be a continuous auxiliary lane between the interchanges in the northbound direction. In the southbound direction, a continuous collector-distributor (CD) lane will be used to interconnect the interchanges. Only the southbound exit to Town and Country Boulevard is proposed, exiting to the CD. Traffic wishing to enter southbound SR 37 from Pleasant Street will travel through the CD and enter south of Town and Country Boulevard.

#### **Between Pleasant Street and SR 32 / SR 38**

Both northbound and southbound weaving segments fail. A continuous collector-distributor (CD) lane will be used in each direction to interconnect the interchanges. In the northbound direction, only the northbound exit ramp to SR 32 / SR 38 is proposed, exiting to the CD. Traffic wishing to enter northbound SR 37 from Pleasant Street will travel through the CD to enter north of SR 32 / SR 38. In the southbound direction, only the southbound entrance from SR 32 / SR 38 is proposed, exiting from the CD. Traffic wishing to exit southbound SR 37 to Pleasant Street will exit at SR 32 / SR 38 and travel through the CD to Pleasant Street.

**Cherry Street** – Cherry Street will not be a full access interchange; however will be connected to the southbound CD between SR 32 / SR 38 and Pleasant Street. Eastbound traffic on Cherry Street will maintain the options to go south on Noble Creek Drive, or north on Cumberland Road prior to SR 37, however traffic entering SR 37 from Cherry Street will be forced to travel south within the CD between SR 32 / SR 38 and Pleasant Street. Traffic wishing to enter southbound SR 37 from eastbound Cherry Street will travel through the CD and enter south of Pleasant Street. Traffic wishing to enter northbound SR 37 from eastbound Cherry Street will travel north on Cumberland Road to SR 32 / SR 38, east on SR 32 / SR 38 through the interchange, and enter northbound SR 37 north of SR 32 / SR 38.

#### **Pleasant Street**

The preferred alternate for this intersection is to construct a “teardrop” roundabout interchange on Pleasant Street consisting of two closely spaced roundabouts on either side of SR 37, which are tied together through the middle to function as one unit. Pleasant Street will overpass SR 37. SR 37 will be free-flow through this interchange and traffic traveling through on Pleasant Street will drive through the roundabouts with a yield condition on the roundabout approach.

The layout of the ramps will closely resemble a tight diamond interchange with directional entrance and exit ramps in each quadrant. Beyond the back of the gore area, all four ramps will remain directly adjacent to SR 37 maintaining an approximate 22 foot offset from outside edge of the SR 37 travel lane to the inside edge of the ramp lane(s). This offset allows for the minimum outside mainline shoulder, minimum inside ramp shoulder and the wall in between the mainline and the ramps. This wall is necessary to maintain the elevation difference between the mainline and the ramps as they approach Pleasant Street. Exterior walls will also be necessary in each quadrant to minimize impacts to businesses in these quadrants (See aerial sheets for estimated wall limits).

Pleasant Street will have two lanes in each direction through the east/west portion of the roundabouts. On both approaches there will be one shared left/through lane, and one shared through/right lane. Both exit ramps will exit as one lane and develop into two lanes at the roundabout approach, consisting of one shared left/through lane and one right turn lane. Both entrance ramps will be one lane entrances. For a diagram of the proposed lane configuration see the Traffic Operations Analysis (binder labeled Traffic Operation Analysis).

All current drive accesses off Pleasant Street can be perpetuated with the interchange design.

## ***XI. PROPOSED BRIDGE FACILITY***

The bridge will be designed to meet or exceed the current “AASHTO LRFD Bridge Design Specifications” as supplemented by INDOT design standards. The minimum vertical clearance for roadways crossing over SR 37 is 16’-6”.

The proposed bridge over SR 37 at Pleasant Street is anticipated to be a two span, 118 foot long, prestressed reinforced concrete I beam structure built with no skew to the roadway. The bridge will be a four lane roundabout facility with a clear roadway width of 202’-10” and an out to out coping of 206’-2”. The bridge will be designed to span the four lane SR 37 divided highway with the interior pier placed in the median of SR 37. It is anticipated that the proposed structure will be constructed with integral end bents on piles and a concrete interior wall pier on piles. The structure will also have reinforced concrete approach slabs to provide a smooth transition from the approach roadway to the bridge and to protect the ends of the bridge from settlement and erosion. The proposed bridge will include common height concrete bridge rail with transitions, approach guardrail and end treatments to meet current minimum standards.

## ***XII. MAINTENANCE OF TRAFFIC***

The following is a logical basic MOT plan for the construction of the Pleasant Street interchange:

**Phase 1** – The southbound SR 37 travel lanes will be widened to the inside with temporary widening. Temporary cross-overs will be constructed in the median to the north and south of the interchange.

**Phase 2** – All SR 37 traffic will run on the southbound side with two travel lanes in each direction. The southbound travel lanes will be shifted west to run on the existing outside



shoulder. The northbound traffic will be switched over to the southbound side to run on the temporary widening constructed in phase 1.

The northbound half of mainline SR 37 will be constructed. A temporary cut wall will be constructed “top down” between the existing southbound lanes and the proposed northbound lanes through the interchange area where SR 37 will be depressed.

The northbound exit and entrance ramps will be constructed up to the proposed roundabout. A temporary connection will be constructed across the proposed roundabout area connecting the top of the northbound exit ramp and the top of the northbound entrance ramp.

The east end bent for the proposed bridge will also be constructed in this phase.

The east segment of Pleasant Street will be closed, with no access to SR 37. The east segment of Pleasant Street and roundabout approaches will be constructed.

The west segment of the Pleasant Street will maintain access to SR 37. This could be set up as right-in/right-out access to and from Pleasant Street with SR 37 traffic remaining free-flow through the intersection. Alternatively, a temporary signal could be utilized to allow the west Pleasant Street protected access to and from both directions of SR 37.

**Phase 3** – All SR 37 traffic will run on the proposed northbound lanes and shoulders constructed in phase 2, with two lanes in each direction. The southbound lanes will be switched over to the northbound side to run on the proposed northbound lanes constructed in phase 2. The northbound lanes will run up the proposed northbound exit ramp, across the temporary connection, and back down the proposed northbound entrance ramp all constructed in phase 2.

The southbound half of mainline SR 37 will be constructed, as well as the west segment of Pleasant Street and the west roundabout. Both sides of Pleasant Street will have no access to or from SR 37 in this phase. However, temporary connections could be constructed on the east side between the portion of the east Pleasant Street segment constructed in phase 2 and the northbound SR 37 travel lanes. If desired, this could be done to keep access to and from northbound SR 37 and the east side of Pleasant Street in this phase.

### **XIII. LAND ACQUISITION**

Approximately 16 parcels would be impacted by the construction of the teardrop roundabout interchange at the intersection of SR 37 and Pleasant Street. Total permanent right of way acquisition required for construction of these improvements would be approximately 3.0 acres.

Because the project would likely utilize federal aid, future land acquisition would need to adhere to the *Uniform Relocation Assistance and Real Property Acquisition Policies for Federal and Federally Assisted Programs Act*. This process includes title research, right-of-way engineering, appraisal problem analysis (APA), an appraisal, a review appraisal and negotiations/buying with the property owner.

All existing right-of-way would be verified during the land acquisition process, which may reveal the need for additional parcels. If recorded documents do not exist, it may be necessary to reacquire portions of the apparent existing right-of-way, which could also increase the anticipated number of parcels and costs affiliated with those additional parcels.

#### ***XIV. PROJECT PRIORITIES***

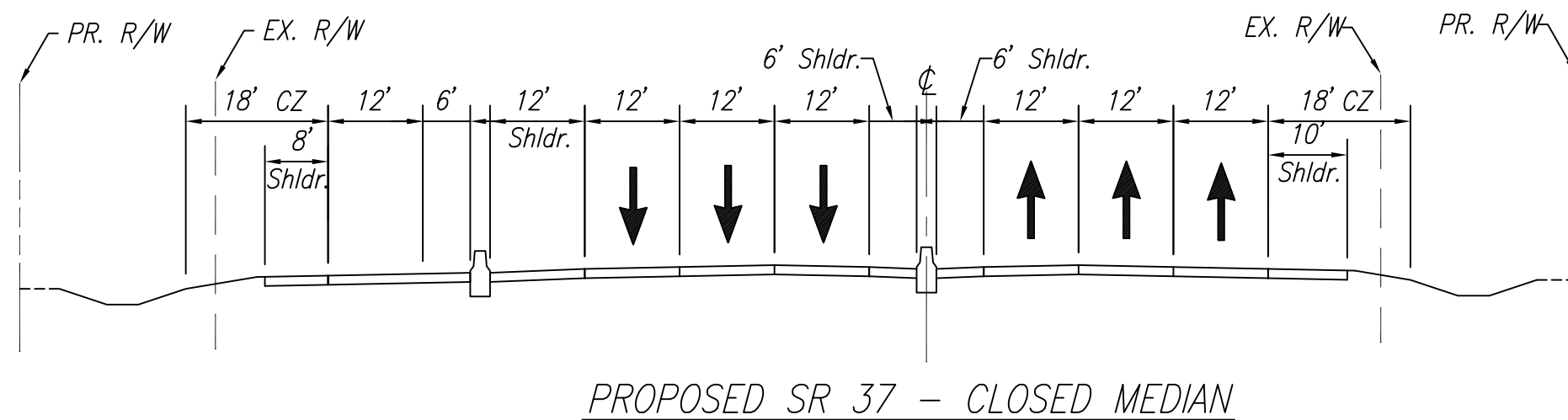
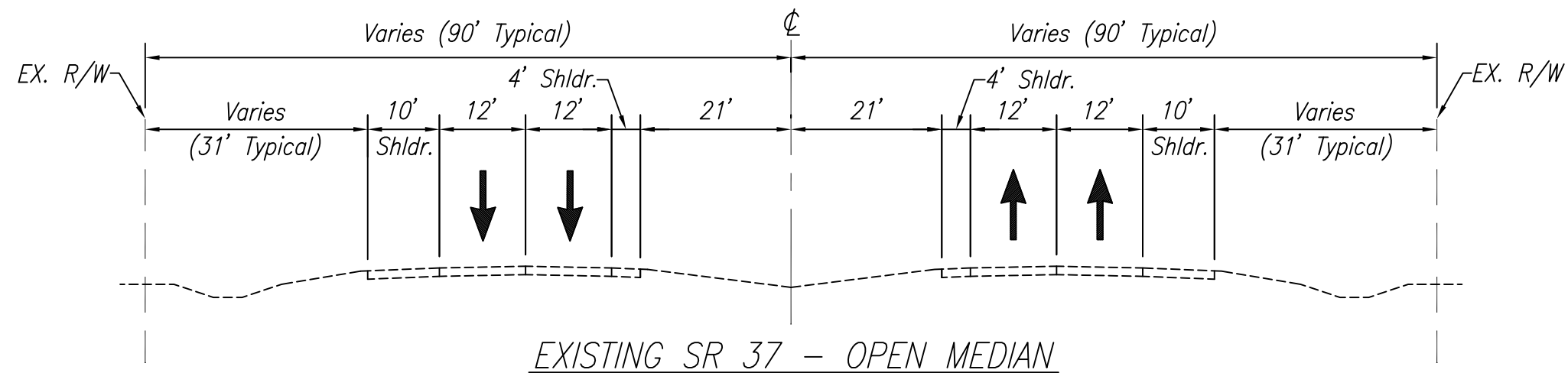
Table 3 below indicates the priority for construction of the proposed improvements. The ranking as shown generally flows south to north but can be revised without affecting the integrity of constructing methodologies.

Table 3 – Construction Priorities		
Priority Rank	Binder Number	Intersection
1.	5	SR 37 at 146 <sup>th</sup> Street
2.	10	146 <sup>th</sup> Street at Allisonville Road
3.	1	SR 37 at 126 <sup>th</sup> Street
4.	2	SR 37 at 131 <sup>st</sup> Street
5.	3	SR 37 at 135 <sup>th</sup> Street
6.	4	SR 37 at 141 <sup>st</sup> Street
7.	6	SR 37 at Greenfield Avenue
8.	7	SR 37 at Town and Country Boulevard
<b>9.</b>	<b>8</b>	<b>SR 37 at Pleasant Street</b>
10.	9	SR 37 at SR 32 / SR 38

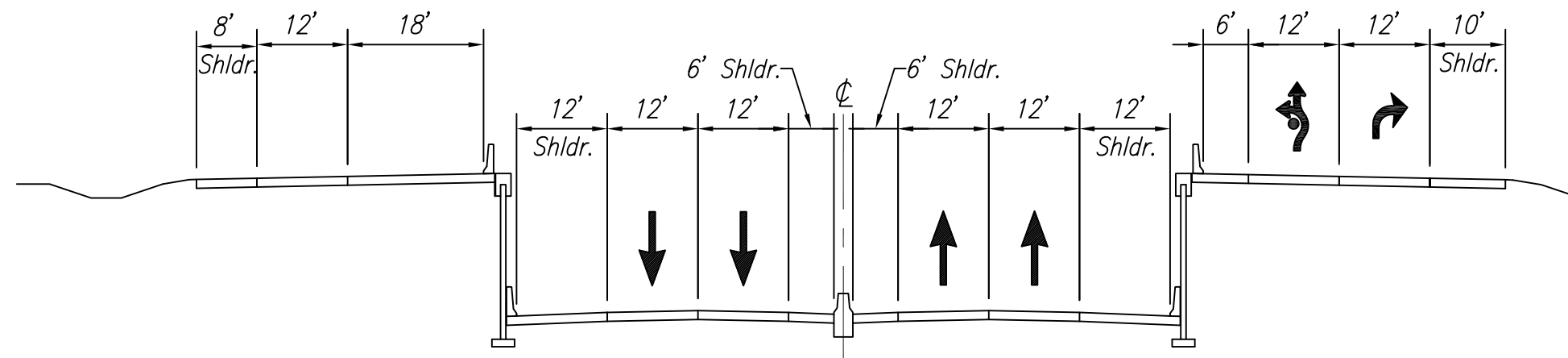
#### ***XV. PROJECT BUDGET***

At the intersection of SR 37 and Pleasant Street, a teardrop roundabout interchange is proposed, with a 4-lane bridge crossing SR 37. In order to construct these improvements, it is anticipated that construction cost will be \$25,939,415 in year 2026.

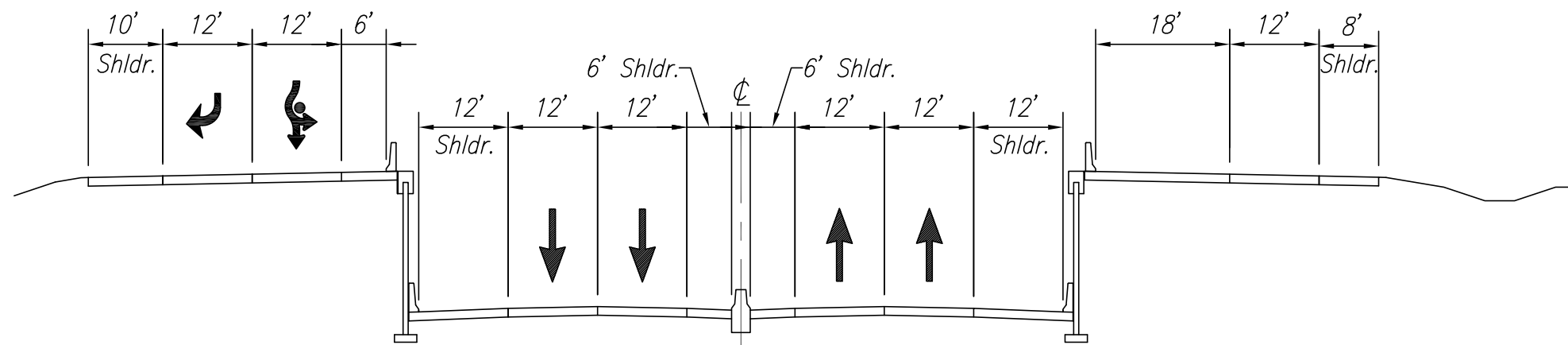




South of Pleasant Street

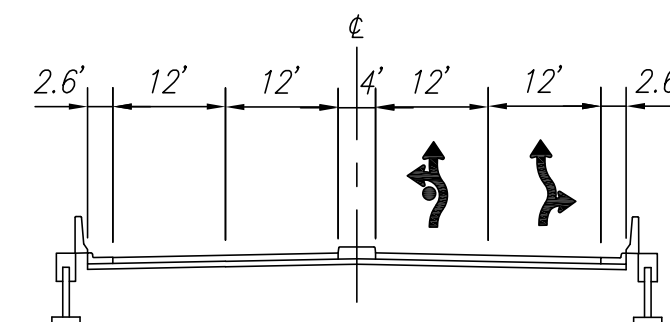


Immediately South of Pleasant Street



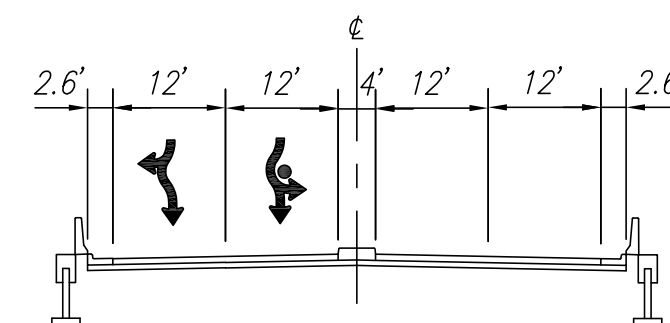
PROPOSED SR 37 – WITH CD LANES

Immediately North of Pleasant Street



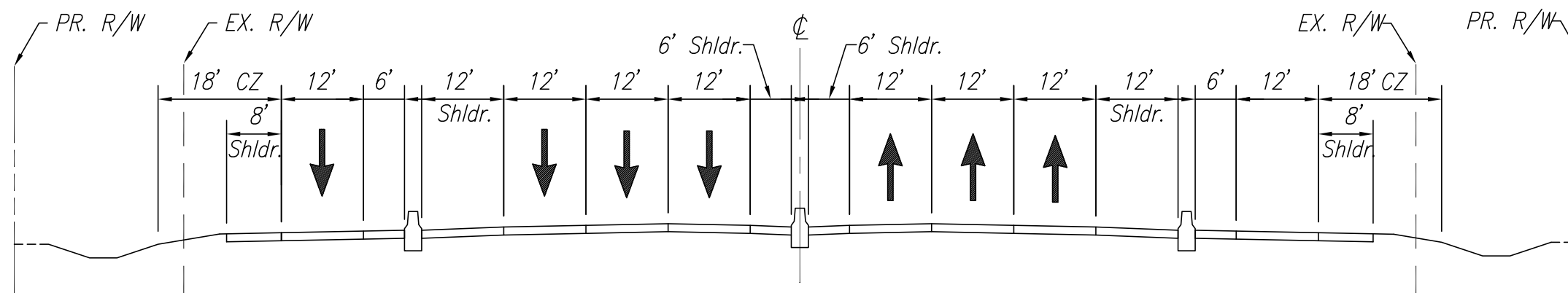
PROPOSED Pleasant Street

East leg approaching intersection



PROPOSED Pleasant Street

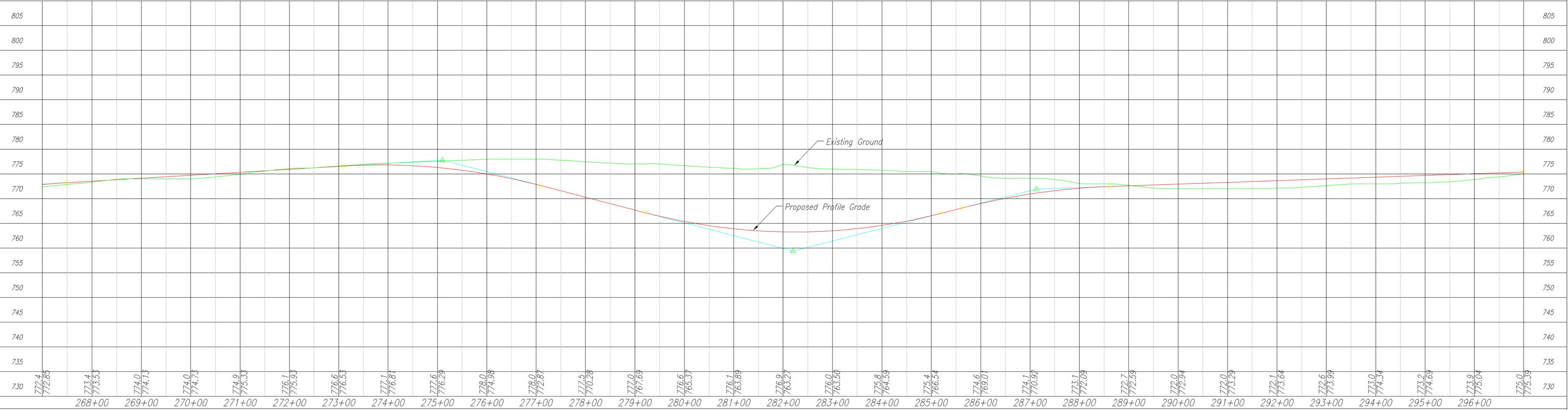
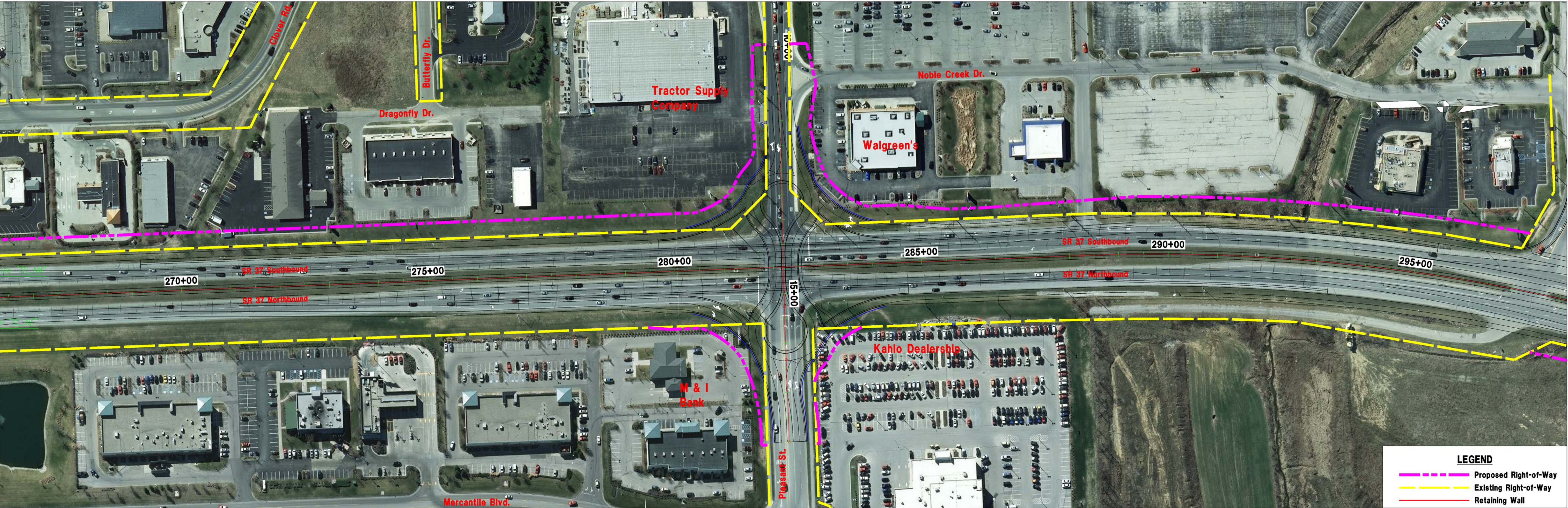
East leg departing intersection



PROPOSED SR 37 – ENCLOSED MEDIAN

North of Pleasant Street





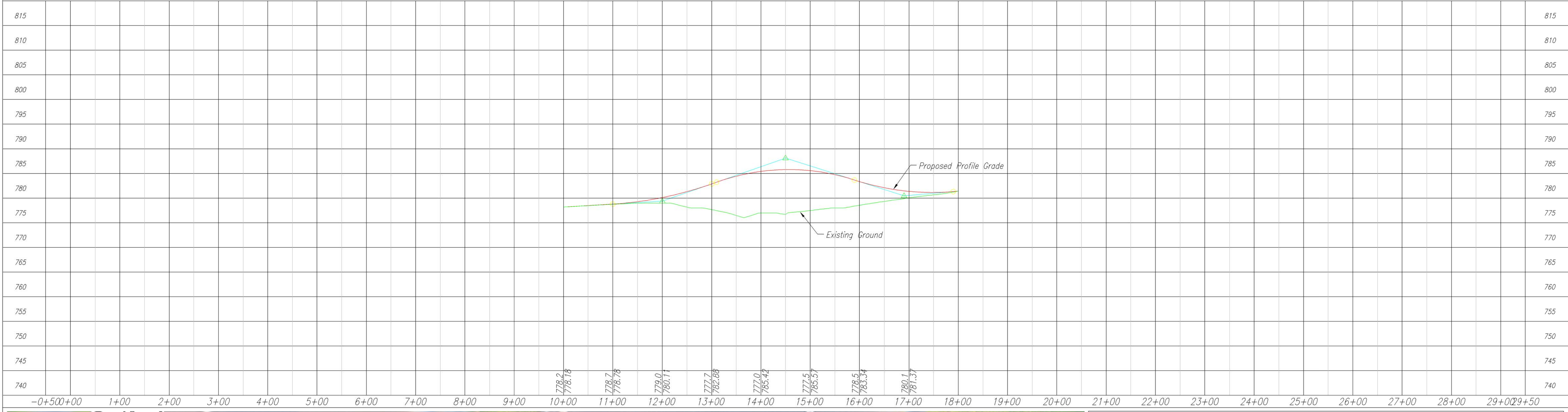
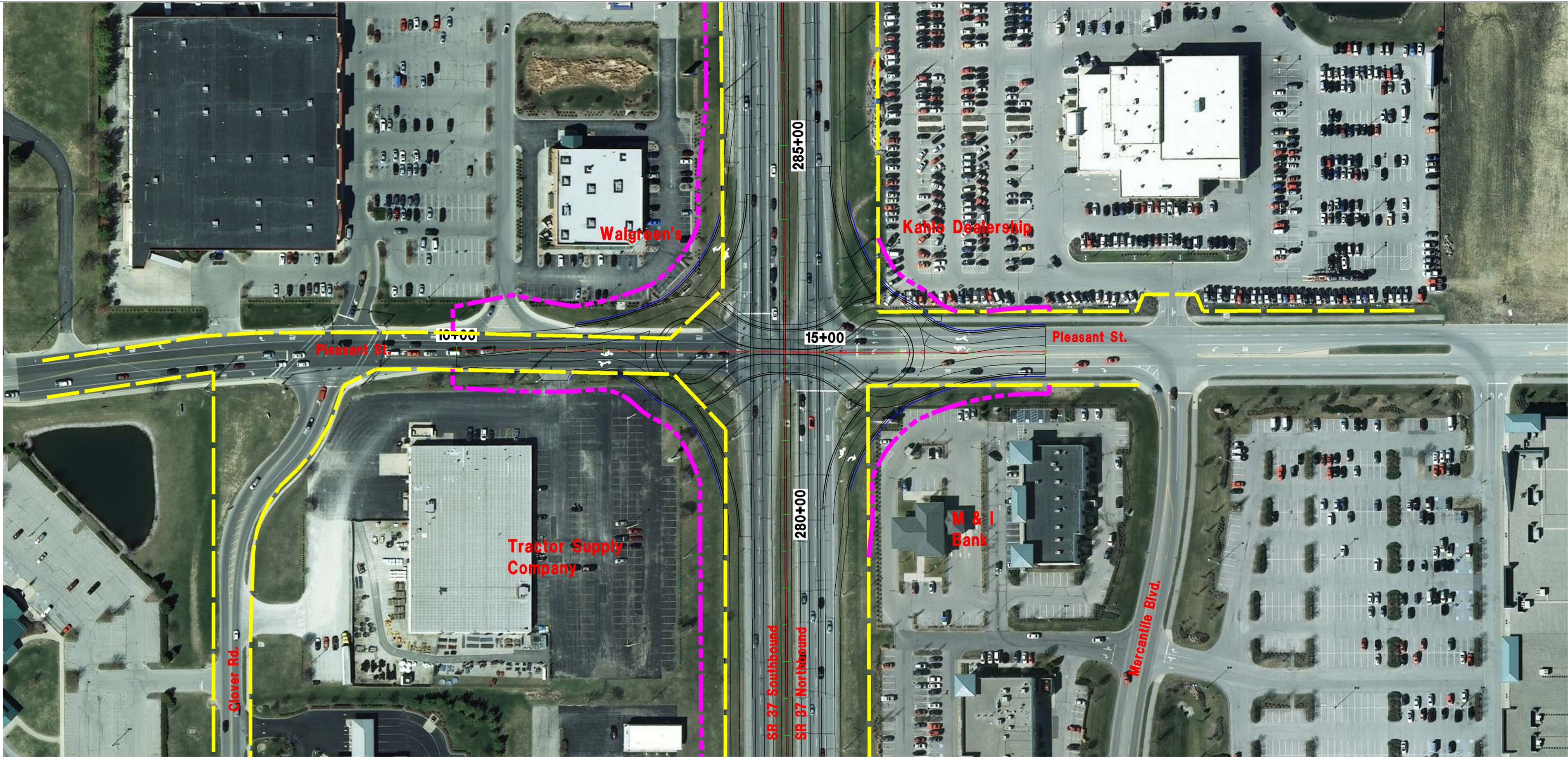


SR 37 MOBILITY STUDY



PROPOSED TEARDROP  
ROUNDAABOUT INTERCHANGE  
SR 37 & PLEASANT STREET







**SR 37 MOBILITY STUDY**





**PROPOSED TEARDROP  
ROUNDBOUT INTERCHANGE  
PLEASANT STREET & SR 37**





## Pleasant Street Project Development Cost Summary

### SR 37 MOBILITY STUDY

Hamilton County, Town of Fishers and City of Noblesville

S.R. 37 from South of 126th Street to North of SR 38/32

PROJECT ITEMS:		PROJECT COST (IN YEAR OF EXPENDITURE)
<b>PLEASANT STREET</b>		
Engineering Costs	\$	3,810,500
Construction Costs	\$	25,939,415
Construction Cost Contingencies	\$	2,593,941
Construction Inspection Costs	\$	3,890,912
Utility Relocation Cost	\$	1,162,500
Land Cost	\$	1,723,455
Subtotal Pleasant Street Interchange		\$35,310,223

\* The Pleasant Street Interchange is projected to be constructed in 2026. An inflation factor of 1.558 has been applied to obtain the construction cost shown in this table

**TOTAL INTERCHANGE COST: \$35,310,223**





## Pleasant Street Construction Cost Summary

### SR 37 MOBILITY STUDY

Hamilton County, Town of Fishers and City of Noblesville

S.R. 37 from South of 126th Street to North of SR 38/32

MAJOR ELEMENT	BASE YEAR CONSTRUCTION COST (2012)
ROADWAY	\$ 12,279,175
GEOTECHNICAL MITIGATION	\$ 500,000
BRIDGE (Pleasant Street Over S.R. 37)	\$ 2,750,000
LIFT STATION	\$ 1,120,000
<b>TOTAL CONSTRUCTION COST:</b>	<b>\$ 16,649,175</b>



# **ROAD ESTIMATE**

# PRICING REPORT

Date: 12/19/2012  
Time: 14:34:32

Project: **SR 37 Mobility Study - Pleasant St**  
Location: **Pleasant St Interchange**  
County: **HAMILTON**  
District: **Greenfield**

Project ID: **10-703 (8)**  
Bid Date: **/ /** State: **IN**  
Route: **SR 37**

Sect	Pay Item	Description	Quantity	Unit	Bid Price	Extension	Alt
100	105-06845	construction engineering	1.000	L.S.	328,906.47	328,906.47	
100	110-01001	mobilization and demobilization	1.000	L.S.	548,177.46	548,177.46	
<b>GENERAL PROVISIONS SUBTOTALS</b>						<b>877,083.93</b>	<b>7.1%</b>
200	201-52370	clearing right of way	1.000	L.S.	176,848.63	176,848.63	
200	202-02279	curb and gutter, remove	1,112.000	L.F.	4.62	5,137.44	
200	202-52710	sidewalk, concrete, remove	499.000	SYS	7.88	3,932.12	
200	202-93999	signal pole, remove	4.000	EACH	495.00	1,980.00	
200	202-99187	fence, farm field, remove	530.000	L.F.	1.72	911.60	
200	203-02000	excavation, common	75,263.000	C.Y.	7.88	593,072.44	
200	205-06931	temporary check dam, revetment riprap	273.000	TON	38.84	10,603.32	
200	205-06937	temporary silt fence	500.000	L.F.	1.74	870.00	
200	207-08263	subgrade treatment, type ia	51,076.000	SYS	6.24	318,714.24	
200	207-08267	subgrade treatment, type iia	65.000	SYS	9.42	612.30	
200	211-09194	b borrow	53,741.000	TON	34.00	1,827,194.00	
200	211-09264	structural backfill, type 1	847.000	C.Y.	23.88	20,226.36	
200	211-09266	structural backfill, type 3	24,736.000	C.Y.	21.27	526,134.72	
<b>EARTHWORK SUBTOTALS</b>						<b>3,486,237.17</b>	<b>28.4%</b>
300	301-07448	compacted aggregate, no. 53, base	3,090.000	TON	15.66	48,389.40	
300	302-06464	subbase for pccp	12,769.000	C.Y.	28.39	362,511.91	
300	303-01180	compacted aggregate, no. 53	1,597.000	TON	17.20	27,468.40	
<b>AGGREGATE PAVEMENT AND BASES SUBTOTALS</b>						<b>438,369.71</b>	<b>3.6%</b>
400	402-10084	hma for temporary pavement, b	5,065.000	TON	50.00	253,250.00	
<b>ASPHALT PAVEMENT SUBTOTALS</b>						<b>253,250.00</b>	<b>2.1%</b>
500	501-06266	profilograph, pccp	1.000	L.S.	15,000.00	15,000.00	
500	501-06323	qc/qa-pccp, 12 in	43,957.000	SYS	70.00	3,076,990.00	
500	503-05240	d-1 contraction joint	21,979.000	L.F.	9.19	201,987.01	
<b>CONCRETE PAVEMENT SUBTOTALS</b>						<b>3,293,977.01</b>	<b>26.8%</b>
600	601-01522	guardrail, transition type tgb	4.000	EACH	1,978.24	7,912.96	
600	601-94689	guardrail end treatment, os	4.000	EACH	2,530.55	10,122.20	
600	601-99105	guardrail, w-beam, 6 ft 3 in spacing	2,830.000	L.F.	17.42	49,298.60	
600	602-08603	concrete barrier, 45 in	4,073.000	L.F.	91.00	370,643.00	
600	603-06040	fence, farm field, 47 in	4,373.000	L.F.	5.50	24,051.50	
600	604-07569	pavers {pavers}	491.000	SYS	827.77	406,435.07	
600	605-06120	curb, concrete	619.000	L.F.	23.58	14,596.02	
600	605-06140	curb and gutter, concrete	2,561.000	L.F.	14.29	36,596.69	
600	605-06145	curb and gutter, b, concrete	846.000	L.F.	14.17	11,987.82	
600	605-06255	center curb, d, concrete	463.000	SYS	48.55	22,478.65	
600	610-09108	pccp for approaches, 9 in	65.000	SYS	57.06	3,708.90	
600	615-06510	monument, c	4.000	EACH	419.32	1,677.28	
600	615-06515	monument, d	28.000	EACH	141.25	3,955.00	



**PRICING REPORT**Date: 12/19/2012  
Time: 14:34:32Project: **SR 37 Mobility Study - Pleasant St**  
Location: **Pleasant St Interchange**  
County: **HAMILTON**  
District: **Greenfield**Project ID: **10-703 (8)**  
Bid Date: **/ /** State: **IN**  
Route: **SR 37**

Sect Pay Item	Description	Quantity Unit	Bid Price	Extension Alt
600 616-02320	geotextiles	368.000 SYS	2.51	923.68
600 616-06405	riprap, revetment	208.000 TON	29.36	6,106.88
600 621-01004	mobilization and demobilization for seeding	4.000 EACH	382.61	1,530.44
600 621-06545	fertilizer	4.000 TON	327.69	1,310.76
600 621-06554	seed mixture, u	881.000 LBS	5.62	4,951.22
600 621-06557	seed mixture, t	389.000 LBS	2.15	836.35
600 621-06565	mulching material	16.000 TON	305.97	4,895.52
600 621-06567	water	10.000 M.G.	3.74	37.40
600 621-06574	sodding	2,360.000 SYS	3.12	7,363.20
600 628-09403	field office, c	18.000 MONTH	2,082.44	37,483.92
600 628-11068	cellular telephone/radio	2.000 EACH	150.38	300.76
600 628-11069	cellular telephone/radio service, anytime minutes	36.000 MONTH	112.11	4,035.96

**INCIDENTAL CONSTRUCTION SUBTOTALS****1,033,239.78**  
**8.4%**

700 701-90386	temporary sheet piling	1.000 L.S.	308,925.00	308,925.00
700 706-08496	reinforced concrete moment slab, 12 in	2,352.000 SYS	87.86	206,646.72
700 706-09545	coarse aggregate, no 8	588.000 C.Y.	61.00	35,868.00
700 706-09959	railing, concrete, ft	6,164.000 L.F.	60.00	369,840.00
700 715-05048	pipe, type 4 circular 6 in	10,658.000 L.F.	3.24	34,531.92
700 715-05053	pipe, underdrain, outlet 6 in	243.000 L.F.	11.77	2,860.11
700 715-05149	pipe, type 2 circular 12 in	5,593.000 L.F.	29.00	162,197.00
700 715-06337	pipe extension, circular, 48 in	49.000 L.F.	170.00	8,330.00
700 715-09064	video inspection for pipe	5,593.000 L.F.	1.48	8,277.64
700 718-06528	outlet protector, 1	9.000 EACH	519.56	4,676.04
700 718-06532	video inspection for underdrains	3,000.000 L.F.	0.94	2,820.00
700 718-52610	aggregate for underdrains	960.000 C.Y.	32.72	31,411.20
700 718-99153	geotextiles for underdrain	7,303.000 SYS	0.98	7,156.94
700 720-07300	inlet, type h, with slotted drain	12.000 EACH	4,502.79	54,033.48
700 720-07302	inlet, type ha, with slotted drain	12.000 EACH	1,757.87	21,094.44
700 720-45410	manhole, c4	12.000 EACH	2,000.00	24,000.00
700 720-98174	inlet, b15	12.000 EACH	2,189.87	26,278.44
700 720-98555	inlet, c15	12.000 EACH	2,161.77	25,941.24
700 731-93945	face panels, concrete	56,235.000 S.F.	11.99	674,257.65
700 731-93946	wall erection	56,235.000 S.F.	5.56	312,666.60
700 731-93947	leveling pad, concrete	3,864.000 L.F.	22.00	85,008.00

**STRUCTURES SUBTOTALS****2,406,820.42**  
**19.6%**

800 801-01093	temporary worksite speed limit sign assembly	4.000 EACH	723.00	2,892.00
800 801-03290	construction sign, c	2.000 EACH	199.19	398.38
800 801-04308	road closure sign assembly	4.000 EACH	308.61	1,234.44
800 801-06625	detour route marker assembly	18.000 EACH	98.84	1,779.12
800 801-06640	construction sign, a	24.000 EACH	160.87	3,860.88
800 801-06645	construction sign, b	4.000 EACH	58.33	233.32

**PRICING REPORT**Date: 12/19/2012  
Time: 14:34:33Project: **SR 37 Mobility Study - Pleasant St**  
Location: **Pleasant St Interchange**  
County: **HAMILTON**  
District: **Greenfield**Project ID: **10-703 (8)**  
Bid Date: **/ /** State: **IN**  
Route: **SR 37**

Sect	Pay Item	Description	Quantity	Unit	Bid Price	Extension	Alt
800	801-06710	flashing arrow sign	510.000	DAY	8.52	4,345.20	
800	801-06775	maintaining traffic	1.000	L.S.	219,270.98	219,270.98	
800	801-07024	energy absorbing terminal, cz, tl-3	1.000	EACH	7,316.67	7,316.67	
800	801-07118	barricade, iii-a	228.000	L.F.	13.17	3,002.76	
800	801-07119	barricade, iii-b	48.000	L.F.	14.08	675.84	
800	801-08400	temporary traffic barrier, type 1	2,600.000	L.F.	16.86	43,836.00	
800	801-08507	temporary traffic barrier, type 1, anchored	296.000	L.F.	34.09	10,090.64	
800	801-08508	temporary traffic barrier, type 2, anchored	2,600.000	L.F.	25.00	65,000.00	
800	801-09133	temporary changeable message sign	2.000	EACH	6,193.01	12,386.02	
800	801-52817	temporav crossover, b	2.000	EACH	25,000.00	50,000.00	
800	802-05701	sign post, square, type 1, reinforced anchor base	340.000	L.F.	12.95	4,403.00	
800	802-07057	sign, panel, with legend	429.000	S.F.	14.81	6,353.49	
800	802-07138	wide flange sign post support foundation, ix	2.000	EACH	242.00	484.00	
800	802-07159	cantilever sign support foundation, ii	2.000	EACH	3,349.33	6,698.66	
800	802-09840	sign, sheet, with legend 0.100 in thickness	115.000	S.F.	17.27	1,986.05	
800	802-76095	structural steel, breakaway	681.000	LBS	2.68	1,825.08	
800	802-76135	overhead sign structure, cantilever single arm	1.000	EACH	20,672.20	20,672.20	
800	804-06770	delineator post	9.000	EACH	43.14	388.26	
800	808-10031	line, multi-component, broken, white, 4 in	1,771.000	L.F.	0.43	761.53	
800	808-10033	line, multi-component, solid, white, 4 in	10,435.000	L.F.	0.46	4,800.10	
800	808-10034	line, multi-component, solid, yellow, 4 in	10,573.000	L.F.	0.46	4,863.58	
800	808-10037	line, multi-component, solid, white, 8 in	1,028.000	L.F.	1.04	1,069.12	
800	808-75071	pavement message marking, preformed plastic, lane indication arrow	8.000	EACH	187.00	1,496.00	
800	808-75510	transverse markings, preformed plastic, crosshatch line, white, 24 in	264.000	L.F.	12.09	3,191.76	
800	808-75998	snowplowable raised pavement marker	251.000	EACH	19.45	4,881.95	

**TRAFFIC CONTROL DEVICES AND LIGHTING SUBTOTALS****490,197.03**  
**4.0%****TOTALS****12,279,175.05**  
**100.0%**

# **BRIDGE ESTIMATE**



JTB 11/26/12  
JEC 11/26/12

## PRICING REPORT

Date: 11/26/2012  
Time: 15:23:02

Project: **Pleasant St. over SR 37 - Concrete Bridge Option**  
Location: **Hamilton County**  
County: **HAMILTON**  
District: **Greenfield**

Project ID: **10-703-PLEASANT ST O**  
Bid Date: **/ /** State: **IN**  
Route:

Pay Item	Description	Quantity	Unit	Bid Price	Extension	Alt
105-06845	construction engineering	1.000	L.S.	75,361.00	75,361.00	
110-01001	mobilization and demobilization	1.000	L.S.	125,601.00	125,601.00	
203-02020	excavation, unclassified	557.000	C.Y.	20.83	11,602.31	
211-02050	b borrow	557.000	C.Y.	27.42	15,272.94	
302-07455	dense graded subbase	156.000	C.Y.	62.94	9,818.64	
609-06259	reinforced concrete bridge approach 12 in	939.000	SYS	83.33	78,246.87	
701-06011	dynamic pile load test	3.000	EACH	1,651.34	4,954.02	
701-08122	pile, steel pipe, 0.375", 14	5,580.000	L.F.	42.87	239,214.60	
701-09559	test pile, dynamic, restrike	3.000	EACH	1,317.82	3,953.46	
701-09690	test pile, dynamic, 14 in non-production	210.000	L.F.	42.87	9,002.70	
702-51005	concrete, a, substructure	300.000	C.Y.	584.17	175,251.00	
702-51015	concrete, b, footings	206.000	C.Y.	307.53	63,351.18	
703-06028	reinforcing bars	61,660.000	LBS	0.91	56,110.60	
703-06029	reinforcing bars, epoxy coated	443,858.000	LBS	0.95	421,665.10	
704-51002	concrete, c, superstructure	1,696.000	C.Y.	560.34	950,336.64	
706-09959	railing, concrete, ft	236.000	L.F.	64.42	15,203.12	
707-05983	structural member, concrete i-beam, 36 in x 12 in	2,680.000	L.F.	160.01	428,826.80	
709-51821	surface seal	1.000	L.S.	29,198.00	29,198.00	

<b>TOTALS</b>	<b>2,712,969.98</b>
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# **LIFT STATION ESTIMATE**

## Pleasant Street Lift Station Cost Summary

### GENERAL INFORMATION

Intersection	Pleasant Street and S.R. 37
Station (of Lift Station)	282+20.53

### DESIGN INFORMATION

Storm Sewer Inflow Elev	759.3
Length to Outfall (ft)	1060.0
Outfall Elevation	760.00
High Point Station	273+85.22
High Point Elevation	776.82
Revised Outfall Elevation	772.82
Revised Distance to Outfall	835.0
Drainage Area (ac)	2.44
10-Year Flow $Q_{10}$ (cfs)	10.50
50-Year Flow $Q_{50}$ (cfs)	13.04
100-Year Flow $Q_{100}$ (cfs)	14.12

### CONSTRUCTION COST

Estimated Lift Station Construction Cost	\$ 950,000.00
Estimated Force Main Construction Cost	\$ 170,000.00
<b>Total Estimated Construction Cost</b>	<b>\$ 1,120,000.00</b>

### OPERATION & MAINTENANCE COST

Operation	\$ 10,000.00
Maintenance	\$ 15,000.00
Equipment Replacement	\$ 15,000.00
<b>Total Annual OM&amp;R Cost</b>	<b>\$ 40,000.00</b>

# **ROAD QUANTITIES**



**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: BWS 3/27/12

Checked By: ATW 11/24/12

**105-06845**

# CONSTRUCTION ENGINEERING

1  
LS

[illegible]

<b><i>TOTAL</i></b> =	<b><i>1.0</i></b>
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<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>3/27/12</i></u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i></u>	
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>ATW</i>          </u>	<u>          <i>3/27/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>110-01001</b>	<b>MOBILIZATION AND DEMOBILIZATION</b>	<b>1 LS</b>

[illegible]

					TOTAL =	1.0
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<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>3/27/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>201-52370</b>	<b>CLEARING RIGHT OF WAY</b>	<b>1 LS</b>

[illegible]

						TOTAL =	1.0
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<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112 LFT</b>

<p align="center"><b>10-703</b></p>		
<p align="center"><b>SR 37 MOBILITY STUDY</b></p> <p align="center"><b>PLEASANT STREET</b></p>		
<p>By: <u>DJZ</u> <u>4/11/12</u></p>	<p>Checked By: <u>BWS</u> <u>11/24/12</u></p>	
<p><b>202-02279</b></p>	<p><b>CURB AND GUTTER, REMOVE</b></p>	<p><b>1,112</b></p> <p><b>LFT</b></p>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112</b> <b>LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112</b> <b>LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>202-02279</b>	<b>CURB AND GUTTER, REMOVE</b>	<b>1,112 LFT</b>

[illegible]

	<i>TOTAL =</i>	1111.2
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**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: DJZ 4/18/12

Checked By: BWS 11/24/12

**202-93999**

## SIGNAL POLE, REMOVE

**4**  
**EACH**

[illegible]

***TOTAL = 4.0***

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>202-99187</b>	<b>FENCE, FARM FIELD, REMOVE</b>	<b>530</b> <b>LFT</b>

[illegible]

<i>TOTAL =</i>	<i>529.8</i>
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<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	<i>Checked By:</i> <u>      <i>srp</i>      </u>	<i>11/26/12</i>
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	<i>Checked By:</i> <u>      <i>srp</i>      </u>	<i>11/26/12</i>
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	<i>Checked By:</i> <u>      <i>srp</i>      <i>11/26/12</i>      </u>	
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	<i>Checked By:</i> <u>      <i>srp</i>      <i>11/26/12</i>      </u>	
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	Checked By: <u>      <i>srp</i>      <i>11/26/12</i>      </u>	
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	Checked By: <u>      <i>srp</i>      <i>11/26/12</i>      </u>	
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>      <i>BWS</i>      <i>10/30/12</i>      </u>	Checked By: <u>      <i>srp</i>      <i>11/26/12</i>      </u>	
<b>203-02000</b>	<b>EXCAVATION, COMMON</b>	<b>75,263 CYS</b>

[illegible]

	<i>TOTAL =</i>	75263.0
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<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>MAC</u> <u>5/29/12</u></p>	<p>Checked By: <u>JPS</u> <u>11/21/12</u></p>	
<p><b>205-06931</b></p>	<p><b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b></p>	<p><b>273</b></p> <p><b>TON</b></p>

<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>MAC</u> <u>5/29/12</u></p>	<p>Checked By: <u>JPS</u> <u>11/21/12</u></p>	
<p><b>205-06931</b></p>	<p><b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b></p>	<p><b>273</b></p> <p><b>TON</b></p>

<p><b><i>10-703</i></b></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>MAC</u> <u>5/29/12</u></p>	<p>Checked By: <u>JPS</u> <u>11/21/12</u></p>	
<p><b>205-06931</b></p>	<p><b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b></p>	<p><b>273 TON</b></p>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>MAC</u> <u>5/29/12</u>      Checked By: <u>JPS</u> <u>11/21/12</u></p>		
<b>205-06931</b>	<b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b>	<b>273 TON</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>MAC</u> <u>5/29/12</u>      Checked By: <u>JPS</u> <u>11/21/12</u></p>		
<b>205-06931</b>	<b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b>	<b>273 TON</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>MAC</u> <u>5/29/12</u>      Checked By: <u>JPS</u> <u>11/21/12</u></p>		
<b>205-06931</b>	<b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b>	<b>273 TON</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>MAC</u> <u>5/29/12</u>      Checked By: <u>JPS</u> <u>11/21/12</u></p>		
<b>205-06931</b>	<b>TEMPORARY CHECK DAM, REVETMENT RIPRAP</b>	<b>273 TON</b>

[illegible]

	<i>TOTAL =</i>	273.0
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: DJZ 4/19/12

Checked By: JPS 11/21/12

**205-06937**

## TEMPORARY SILT FENCE

**500**  
**LFT**

[illegible]

<b>TOTAL =</b>	<b>500.0</b>
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10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: SRS 5/15/12Checked By: ATW 11/25/12

207-08263

SUBGRADE TREATMENT, TYPE IA

51,076  
SYS

Begin Station	End Station	Side	Begin Width	End Width	Area (sft)	Area (sys)
<b>Pavement Area copied from 501-06323:</b>						
						43956.1
<b>Outside Area (2' on either side):</b>						
<b>Line "A"</b>						
268+42.54	270+14.50	Rt	2.00	2.00	343.92	38.2
270+14.50	275+52.48	Rt	2.00	2.00	1075.96	119.6
275+52.48	288+86.94	Rt	2.00	2.00	2668.92	296.5
288+86.94	289+88.09	Rt	2.00	2.00	202.30	22.5
289+88.09	293+28.79	Rt	2.00	2.00	681.40	75.7
268+42.63	269+18.98	Lt	2.00	2.00	152.70	17.0
269+18.98	273+81.00	Lt	2.00	2.00	924.04	102.7
273+81.00	274+81.00	Lt	2.00	2.00	200.00	22.2
274+81.00	286+37.37	Lt	2.00	2.00	2312.74	257.0
286+37.37	289+37.38	Lt	2.00	2.00	600.02	66.7
289+37.38	293+28.79	Lt	2.00	2.00	782.82	87.0
<b>Ramp "PLST_SE"</b>						
10+00.00	16+09.01		4.00	4.00	2436.04	270.7
<b>Add Extra 2' where there is curb on ramp</b>						
Outside Ramp	155.00	lft	4.00			68.9
Inside Ramp	338.00	lft	4.00			150.2
<b>Ramp "PLST_SW"</b>						
20+00.00	32+41.23		4.00	4.00	4964.92	551.7
<b>Add Extra 2' where there is curb on ramp</b>						
Outside Ramp	188.56	lft	4.00			83.8
Inside Ramp	450.00	lft	4.00			200.0
<b>Ramp "PLST_NW"</b>						
40+00.00	52+72.70		4.00	4.00	5090.80	565.6
<b>Add Extra 2' where there is curb on ramp</b>						
Outside Ramp	153.00	lft	4.00			68.0
Inside Ramp	269.18	lft	4.00			119.6
<b>SUBTOTAL (THIS PAGE) =</b>						<b>47139.6</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>SRS</i>          <i>5/15/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>207-08263</b>	<b>SUBGRADE TREATMENT, TYPE IA</b>	<b>SYS</b>

[illegible]

		<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b>3936.2</b>
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*TOTAL = 51076.0*

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: BWS 11/24/12

**65**  
**SYS**

[illegible]

<b><i>TOTAL =</i></b>	<b>64.5</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <u>SRS</u> <u>11/16/12</u>	Checked By: <u>srp</u> <u>11/26/12</u>
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<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
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<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
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<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
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<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
--------------------------------	--

<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
------------------	-----------------	-----------------------

***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
--------------------------------	--

<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>SRS</i> <i>11/16/12</i>	Checked By: <i>srp</i> <i>11/26/12</i>
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<b>211-09194</b>	<b>B BORROW</b>	<b>53,741 TON</b>
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[illegible]

	<i>TOTAL =</i>	53740.5
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*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           *BWS*                    *11/19/12*                    

Checked By:                     *BWC*                    *11/24/12*                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: <i>BWS</i> <i>11/19/12</i>	Checked By: <i>BWC</i> <i>11/24/12</i>
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<b>211-09264</b>	<b>STRUCTURAL BACKFILL, TYPE 1</b>	<b>847 CYS</b>
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*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           BWS                    11/19/12                    

Checked By:           BWC                    11/24/12                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           *BWS*                    *11/19/12*                    

Checked By:                     *BWC*                    *11/24/12*                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           BWS                    11/19/12                    

Checked By:           BWC                    11/24/12                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           *BWS*                    *11/19/12*                    

Checked By:                     *BWC*                    *11/24/12*                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

*10-703*

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By:           *BWS*                    *11/19/12*                    

Checked By:                     *BWC*                    *11/24/12*                    

**211-09264                      STRUCTURAL BACKFILL, TYPE 1                      847  
CYS**

[illegible]

<b><i>TOTAL this page =</i></b>		<b>846.4</b>
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***TOTAL* = 846.4**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

Checked By: srp 11/26/12

**24,736  
CYS**

<b><i>TOTAL</i></b> =	<b>3291.8</b>
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**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: srp 11/22/12

**CYS**

***TOTAL = 24735.0***

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>301-07448</b>	<b>COMPACTED AGGREGATE, NO. 53, BASE</b>	<b>3,090 TON</b>

[illegible]

		<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b>3089.6</b>
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*TOTAL* = 3089.6



**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: SRS 5/16/12

Checked By: ATW 11/25/12

**302-06464**

## SUBBASE FOR PCCP

**CYS**

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>984.0</b>
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***TOTAL = 12768.9***



**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: ATW 11/25/12

**1,597  
TON**

[illegible]

<b><i>TOTAL =</i></b>	<b><i>1597.0</i></b>
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<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>402-10084</b>	<b>HMA FOR TEMPORARY PAVEMENT, B</b>	<b>5,065 TON</b>

[illegible]

		<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>5064.8</i></b>
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*TOTAL* =            **5064.8**

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i></u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i></u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>ATW</i>          <i>11/24/12</i>          </u>	
<b>501-06266</b>	<b>PROFILOGRAPH, PCCP</b>	<b>1</b> <b>LS</b>

[illegible]

<i>TOTAL =</i>	<i>1.0</i>
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10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: SRS 5/14/12Checked By: ATW 11/25/12**501-06323****QC/QA-PCCP, 12 IN****43,957  
SYS**

<i>Begin Station</i>	<i>End Station</i>	<i>Side</i>	<i>Begin Width</i>	<i>End Width</i>	<i>Area (sft)</i>	<i>SYS</i>
<b>Line "A"</b>						
268+42.63	270+14.74	Rt	52.00	52.00	8949.72	994.4
270+14.74	275+52.48	Rt	52.00	71.50	33205.44	3689.5
275+52.48	287+67.93	Rt	45.50	45.50	55302.98	6144.8
287+67.93	289+88.09	Rt	45.50	54.00	10952.96	1217.0
289+88.09	293+28.79	Rt	57.50	57.50	19590.25	2176.7
268+42.63	269+18.98	Lt	83.50	57.50	5382.67	598.1
269+18.98	273+81.00	Lt	57.50	57.50	26566.15	2951.8
273+81.00	274+81.00	Lt	57.50	52.05	5477.50	608.6
274+81.00	276+01.10	Lt	52.05	45.50	5857.88	650.9
276+01.10	286+37.21	Lt	45.50	45.50	47143.01	5238.1
286+37.21	289+36.89	Lt	45.50	57.50	15433.52	1714.8
289+36.89	293+28.79	Lt	57.50	57.50	22534.25	2503.8
<b>Ramp "PLST_SE"</b>						
10+00.00	13+33.64	Rt	26.00	26.00	8674.64	963.8
13+33.64	14+33.16	Rt	26.00	38.00	3184.64	353.8
14+33.64	14+54.18	Rt	38.00	38.00	780.52	86.7
14+54.18	14+87.02	Rt	32.00	27.70	980.27	108.9
14+87.02	16+09.01	Rt	27.70	31.51	3611.51	401.3
<b>Ramp "PLST_SW"</b>						
20+00.00	21+29.13	Lt	15.45	12.00	1772.31	196.9
21+29.13	21+90.69	Lt	12.00	20.00	984.96	109.4
21+90.69	25+59.11	Lt	38.00	38.00	13999.96	1555.6
25+59.11	27+79.11	Lt	38.00	26.00	7040.00	782.2
27+79.11	32+41.23	Lt	26.00	26.00	12015.12	1335.0
<b>Ramp "PLST_NW"</b>						
40+00.00	49+97.35	Lt	26.00	26.00	25931.10	2881.2
49+97.35	50+97.35	Lt	26.00	38.00	3200.00	355.6
50+97.35	51+17.89	Lt	38.00	38.00	780.52	86.7
51+17.89	51+50.73	Lt	32.00	27.70	980.27	108.9
51+50.73	52+72.70	Lt	27.70	31.53	3612.14	401.3
<b>Ramp "PLST_NE"</b>						
30+00.00	31+40.59	Rt	17.20	13.47	2155.95	239.5
31+40.59	31+90.70	Rt	13.47	20.00	838.59	93.2
31+90.70	34+87.13	Rt	38.00	38.00	11264.34	1251.6
34+87.13	37+04.50	Rt	38.00	26.00	6955.84	772.9
37+04.50	40+39.40	Rt	26.00	28.00	9042.30	1004.7
<b>Roundabout</b>						
Outside area	subtract inside area					
64157.81	15544.60				48613.21	5401.5

**SUBTOTAL (THIS PAGE) = 46979.4**



<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
<i>By:</i> <u>          <i>srs</i>          <i>11/19/12</i>          </u>	<i>Checked By:</i> <u>          <i>ATW</i>          <i>11/25/12</i>          </u>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
<i>By:</i> _____ <i>srs</i> _____ <i>11/19/12</i>	<i>Checked By:</i> _____ <i>ATW</i> _____ <i>11/25/12</i>	
<b>503-05240</b>	<b>D-1 CONTRACTION JOINT</b>	<b>21,979 LFT</b>

[illegible]

	<i>TOTAL</i> =	21978.5
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<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>      Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></p>		
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
<i>By:</i> <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	<i>Checked By:</i> <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u>	
<b>601-01522</b>	<b>GUARDRAIL, TRANSITION TYPE TGB</b>	<b>4 EACH</b>

**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: SRS 11/24/12

Checked By: BWS 11/25/12

**601-94689**

## GUARDRAIL END TREATMENT, OS

**4**  
**EACH**

***TOTAL = 4.0***

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></span> </p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></span> </p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></span> </p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></span> </p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>      Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u>      Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>SRS</i>          <i>11/24/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/25/12</i>          </u></span> </p>		
<b>601-99105</b>	<b>GUARDRAIL, W-BEAM, 6 FT 3 IN SPACING</b>	<b>2,830 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>          <i>11/24/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073</b> <b>LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>          <i>11/24/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073</b> <b>LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>          <i>11/24/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073</b> <b>LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>          <i>11/24/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073</b> <b>LFT</b>

<p align="center"><i>10-703</i></p> <p align="center"><b><i>SR 37 MOBILITY STUDY</i></b></p> <p align="center"><b><i>PLEASANT STREET</i></b></p> <p> <i>By:</i> <u>          <i>srs</i>          <i>11/24/12</i></u> <i>Checked By:</i> <u>          <i>BWS</i>          <i>11/24/12</i></u> </p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>          <i>11/24/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073</b> <b>LFT</b>

<p align="center"><i>10-703</i></p> <p align="center"><b><i>SR 37 MOBILITY STUDY</i></b></p> <p align="center"><b><i>PLEASANT STREET</i></b></p> <p> <i>By:</i> <u>          <i>srs</i>          <i>11/24/12</i></u> <i>Checked By:</i> <u>          <i>BWS</i>          <i>11/24/12</i></u> </p>		
<b>602-08603</b>	<b>CONCRETE BARRIER, 45 IN</b>	<b>4,073 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/20/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>11/20/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/20/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>11/20/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>11/20/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>11/20/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>11/20/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>603-06040</b>	<b>FENCE, FARM FIELD, 47 IN</b>	<b>4,373 LFT</b>

***SUBTOTAL (THIS PAGE) = 4372.3***

<i>TOTAL</i> =	4372.3
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>604-07569</b>	<b>PAVERS</b>	<b>491 SYS</b>

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>490.8</i></b>
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*TOTAL* =            490.8

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619</b> <b>LFT</b>

<b>10-703</b>		
<b>SR 37 MOBILITY STUDY</b> <b>PLEASANT STREET</b>		
By: <u>          JPS                  11/21/12          </u>	Checked By: <u>          BWS                                  11/24/12          </u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619</b> <b>LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>JPS</i>          <i>11/21/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619 LFT</b>

<b>10-703</b>		
<b>SR 37 MOBILITY STUDY</b> <b>PLEASANT STREET</b>		
By: <u>          JPS                  11/21/12          </u>	Checked By: <u>          BWS                                  11/24/12          </u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619</b> <b>LFT</b>

<b>10-703</b>		
<b>SR 37 MOBILITY STUDY PLEASANT STREET</b>		
By: <u>          JPS                  11/21/12          </u>	Checked By: <u>          BWS                                  11/24/12          </u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619</b> <b>LFT</b>

<b>10-703</b>		
<b>SR 37 MOBILITY STUDY</b> <b>PLEASANT STREET</b>		
By: <u>          JPS                  11/21/12          </u>	Checked By: <u>          BWS                  11/24/12          </u>	
<b>605-06120</b>	<b>CURB, CONCRETE</b>	<b>619</b> <b>LFT</b>

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>619.0</i></b>
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*TOTAL = 619.0*

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561</b> <b>LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY</i></b> <b><i>PLEASANT STREET</i></b></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></span> </p>		
<b>605-06140</b>	<b>CURB AND GUTTER, CONCRETE</b>	<b>2,561 LFT</b>



<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>605-06145</b>	<b>CURB AND GUTTER, B, CONCRETE</b>	<b>846 LFT</b>

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>845.7</i></b>
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<i>TOTAL</i> =	845.7
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i>          </u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i>          </u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i>          </u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i>          </u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>JPS</i>          <i>11/21/12</i></u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/19/12</i></u>	Checked By: <u>        <i>JPS</i>        <i>11/21/12</i></u>	
<b>605-06255</b>	<b>CENTER CURB, D, CONCRETE</b>	<b>463 SYS</b>

[illegible]

<i>TOTAL</i> =	462.3
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**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: BWS 11/24/12

65  
SYS[illegible]

***SUBTOTAL (THIS PAGE) =***

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**64.5**

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: BWS 11/20/12Checked By: BWC 11/24/12**615-06510****MONUMENT, C****4  
EACH**

<i>Alignment</i>	<i>Station</i>	<i>Description</i>	<i>Inside Pavement?</i>			<i>Each</i>
<i>Line "S-3-A"</i>						
	10+00	Begin Project		Yes		
	14+45.94	Int		Yes		
	15+26.19	PC		Yes		
	15+79.66	PI		Yes		
	16+33.14	PT		Yes		
	17+99.66	End Project		Yes		
<i>Line "A"</i>						
	268+42.63	Begin Project		Yes		
	278+00.00	Between BP and PC		Yes		
	288+24.93	PC		Yes		
	293+28.79	End Project		Yes		
<i>SW Ramp</i>	20+00.00	Begin Project, PC		Yes		
	20+98.69	PI		No		1.0
	21+90.69	PT		Yes		
	25+00.00	Between PT and EP		Yes		
	32+41.23	End Project		Yes		
<i>NW Ramp</i>	40+00.00	Begin Project		Yes		
	43+07.39	PI		Yes		
	46+13.48	PT		Yes		
	49+15.24	PI		Yes		
	51+17.89	PC		Yes		
	5199.41	PI		No		1.0
	52+72.70	End Project, PT		Yes		
<i>NE Ramp</i>	30+00.00	Begin Project, PC		Yes		
	30+98.70	PI		No		1.0
	31+90.70	PT		Yes		
	35+44.13	PC		Yes		
	37+92.13	PI		Yes		
	40+39.00	End Project		Yes		
<i>SE Ramp</i>	10+00.00	Begin Project		Yes		
	14+54.18	PC		Yes		
	15+35.71	PI		No		1.0
	16+09.01	End Project, PT		Yes		
<b>TOTAL =</b>						<b>4.0</b>

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: BWS 11/20/12Checked By: BWC 11/24/12**615-06515****MONUMENT, D****28  
EACH**

<i>Alignment</i>	<i>Station</i>	<i>Description</i>	<i>Inside Pavement?</i>			<i>Each</i>
<i>Line "S-3-A"</i>						
	10+00	Begin Project		Yes		1.0
	14+45.94	Int		Yes		1.0
	15+26.19	PC		Yes		1.0
	15+79.66	PI		Yes		1.0
	16+33.14	PT		Yes		1.0
	17+99.66	End Project		Yes		1.0
<i>Line "A"</i>						
	268+42.63	Begin Project		Yes		1.0
	278+00.00	Between BP and PC		Yes		1.0
	288+24.93	PC		Yes		1.0
	293+28.79	End Project		Yes		1.0
<i>SW Ramp</i>	20+00.00	Begin Project, PC		Yes		1.0
	20+98.69	PI		No		
	21+90.69	PT		Yes		1.0
	25+00.00	Between PT and EP		Yes		1.0
	32+41.23	End Project		Yes		1.0
<i>NW Ramp</i>	40+00.00	Begin Project		Yes		1.0
	43+07.39	PI		Yes		1.0
	46+13.48	PT		Yes		1.0
	49+15.24	PI		Yes		1.0
	51+17.89	PC		Yes		1.0
	5199.41	PI		No		
	52+72.70	End Project, PT		Yes		1.0
<i>NE Ramp</i>	30+00.00	Begin Project, PC		Yes		1.0
	30+98.70	PI		No		
	31+90.70	PT		Yes		1.0
	35+44.13	PC		Yes		1.0
	37+92.13	PI		Yes		1.0
	40+39.00	End Project		Yes		1.0
<i>SE Ramp</i>	10+00.00	Begin Project		Yes		1.0
	14+54.18	PC		Yes		1.0
	15+35.71	PI		No		
	16+09.01	End Project, PT		Yes		1.0
<b>TOTAL =</b>						<b>28.0</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368 SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-02320</b>	<b>GEOTEXTILES</b>	<b>368</b> <b>SYS</b>

[illegible]

	<i>TOTAL =</i>	368.0
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>616-06405</b>	<b>RIPRAP, REVETMENT</b>	<b>208 TON</b>

[illegible]

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*TOTAL =*            *207.2*

**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: DJZ 4/11/12

Checked By: BWS 11/24/12

**621-01004**

## MOBILIZATION AND DEMOBILIZATION FOR SEEDING

**4**  
**EACH**

[illegible]

***TOTAL = 4.0***



<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>    <i>DJZ</i>    <i>4/25/12</i>    </u>	Checked By: <u>    <i>BWS</i>    <i>11/24/12</i>    </u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>    <i>DJZ</i>    <i>4/25/12</i>    </u>	Checked By: <u>    <i>BWS</i>    <i>11/24/12</i>    </u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>    <i>DJZ</i>    <i>4/25/12</i>    </u>	Checked By: <u>    <i>BWS</i>    <i>11/24/12</i>    </u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>    <i>DJZ</i>    <i>4/25/12</i>    </u>	Checked By: <u>    <i>BWS</i>    <i>11/24/12</i>    </u>	
<b>621-06545</b>	<b>FERTILIZER</b>	<b>4 TON</b>

[illegible]

<i>TOTAL =</i>	<i>3.1</i>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>DJZ</u> <u>4/25/12</u>	Checked By: <u>BWS</u> <u>11/24/12</u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06554</b>	<b>SEED MIXTURE, U</b>	<b>881 LBS</b>

[illegible]

	<i>TOTAL =</i>	880.6
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**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: DJZ 4/25/12

Checked By: BWS 11/24/12

**621-06557**

## SEED MIXTURE, T

**389**  
**LBS**

[illegible]

<b><i>TOTAL</i> =</b>	<b>388.5</b>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>621-06565</b>	<b>MULCHING MATERIAL</b>	<b>16 TON</b>

[illegible]

	<i>TOTAL =</i>	<i>15.5</i>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10 kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10</b> <b>kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10</b> <b>kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>    <i>DJZ</i>    <i>4/25/12</i>    </u>	Checked By: <u>    <i>BWS</i>    <i>11/24/12</i>    </u>	
<b>621-06567</b>	<b>WATER</b>	<b>10</b> <b>kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10 kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10 kGAL</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06567</b>	<b>WATER</b>	<b>10 kGAL</b>

[illegible]

		<i>TOTAL =</i>		<i>9.4</i>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/25/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b> <b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/25/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>621-06574</b>	<b>SODDING</b>	<b>2,360</b>
		<b>SYS</b>

[illegible]

	<i>TOTAL =</i>	2359.1
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***10-703***

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: DJZ 4/11/12

Checked By: BWS 11/24/12

**628-08520**

**CELLULAR TELEPHONE/RADIO**

**2**  
**EACH**

[illegible]

<b><i>TOTAL =</i></b>	<b><i>2.0</i></b>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>628-08521</b>	<b>CELLULAR TELEPHONE/RADIO SERVICE</b>	<b>36 MOS</b>

[illegible]



<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18</b> <b>MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18 MOS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>        <i>DJZ</i>        <i>4/11/12</i></u>	Checked By: <u>        <i>BWS</i>        <i>11/24/12</i></u>	
<b>628-09403</b>	<b>FIELD OFFICE, C</b>	<b>18</b> <b>MOS</b>

[illegible]

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>BWC</i>          </u>	<u>          <i>4/26/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>701-90386</b>	<b>TEMPORARY SHEET PILING</b>	<b>1</b> <b>LS</b>

[illegible]

*TOTAL = 1.0*

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: ATW 11/25/12

706-08496	REINFORCED CONCRETE MOMENT SLAB, 12 IN	2,352 SYS
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[illegible]

<b><i>TOTAL =</i></b>	<b>2351.5</b>
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**SR 37 MOBILITY STUDY  
PLEASANT STREET**

Checked By: ATW 11/25/12

588  
CYS

[illegible]

<b>TOTAL =</b>	<b>587.9</b>
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**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: SRS 11/24/12

Checked By: BWS 11/25/12

**706-09959**

**RAILING, CONCRETE, FT**

**6,164  
LFT**

[illegible]

<b><i>TOTAL =</i></b>	<b><i>6163.1</i></b>
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<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>          </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>          </u></span> </p>		
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05048</b>	<b>PIPE, TYPE 4 CIRCULAR 6 IN</b>	<b>10,658 LFT</b>

[illegible]

						TOTAL =	10657.1
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*TOTAL = 10657.1*

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>715-05053</b>	<b>PIPE, UNDERDRAIN, OUTLET 6 IN</b>	<b>243 LFT</b>

[illegible]

	<i>TOTAL =</i>	243.0
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*TOTAL =*                    **243.0**

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: BWS 11/19/12Checked By: BWC 11/24/12**715-05149****PIPE, TYPE 2 CIRCULAR 12 IN****5,593  
LFT**

<i>Station</i>						<i>Lft</i>
<i>Use 300' inlet spacing</i>						
<i>Line "A"</i>	<i>Median Inlets</i>					
						80
						92
						38
						296
						296
						296
						246
						246
						296
						296
						296
						38
<i>Line "A"</i>	<i>Outside Wall Inlets</i>					
	<i>Rt</i>					54
	<i>Lt</i>					54
	<i>Rt</i>					66
	<i>Lt</i>					54
	<i>Rt</i>					38
	<i>Lt</i>					38
	<i>Rt</i>					38
	<i>Lt</i>					38
	<i>Rt</i>					66
	<i>Lt</i>					66
	<i>Rt</i>					54
	<i>Lt</i>					66
<i>Line "S-3-A"</i>						
<i>10+50.00</i>						157
<i>11+50.00</i>						182
<i>12+70.00</i>						151
<i>13+50.00</i>						173
<i>14+50.00</i>						556
<i>18+50.00</i>						651
<i>19+50.00</i>						172
<i>20+50.00</i>						167
<i>21+50.00</i>						167
<i>22+50.00</i>						67

SUBTOTAL (THIS PAGE) = 5592.4

TOTAL = 5592.4



<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>                    <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i></u>	
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          </u>	Checked By: <u>          <i>BWS</i>          </u>	
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49</b>
		<b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>                    <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i></u>	
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>                    <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i></u>	
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          </u>	Checked By: <u>          <i>BWS</i>          </u>	
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49</b>
		<b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/21/12</i></u>	Checked By: <u>          <i>BWS</i></u>	<i>11/24/12</i>
<b>715-06337</b>	<b>PIPE EXTENSION, CIRCULAR, 48 IN</b>	<b>49 LFT</b>

<p><b>10-703</b></p> <p><b>SR 37 MOBILITY STUDY</b></p> <p><b>PLEASANT STREET</b></p>		
<p>By: <u>          srs                    11/21/12          </u></p>	<p>Checked By: <u>          BWS                    11/24/12          </u></p>	
<p><b>715-06337</b></p>	<p><b>PIPE EXTENSION, CIRCULAR, 48 IN</b></p>	<p><b>49</b></p> <p><b>LFT</b></p>

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>48.1</i></b>
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*TOTAL = 48.1*

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>715-09064</b>	<b>VIDEO INSPECTION FOR PIPE</b>	<b>5,593 LFT</b>

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>5593.0</i></b>
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*TOTAL* = 5593.0

***10-703***

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: srs 11/19/12

Checked By: BWS 11/24/12

**718-06528**

## OUTLET PROTECTOR, 1

9  
EACH

[illegible]

<b><i>TOTAL</i></b> =	<b>9.0</b>
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***TOTAL = 9.0***

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	<b>3,000 LFT</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>srs</i>                    <i>11/19/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWS</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>718-06532</b>	<b>VIDEO INSPECTION FOR UNDERDRAINS</b>	
		<b>3,000 LFT</b>

[illegible]

	<i>TOTAL =</i>	<i>3000.0</i>
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*TOTAL = 3000.0*

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960 CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960</b> <b>CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960 CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960 CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960</b> <b>CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960</b> <b>CYS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>718-52610</b>	<b>AGGREGATE FOR UNDERDRAINS</b>	<b>960</b> <b>CYS</b>

[illegible]

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*TOTAL* =            959.2

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          11/19/12          </u>	Checked By: <u>          <i>BWS</i>          11/24/12          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          <i>11/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>srs</i>          11/19/12          </u>	Checked By: <u>          <i>BWS</i>          11/24/12          </u>	
<b>718-99153</b>	<b>GEOTEXTILES FOR UNDERDRAIN</b>	<b>7,303 SYS</b>

[illegible]

	<i>TOTAL =</i>	7302.7
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***TOTAL = 7302.7***

<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          </u></p>	<p><i>11/24/12</i></p>
<p><b>720-07300</b></p>	<p><b>INLET, TYPE H, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          </u></p>	<p><i>11/24/12</i></p>
<p><b>720-07300</b></p>	<p><b>INLET, TYPE H, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07300</b>	<b>INLET, TYPE H, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07300</b>	<b>INLET, TYPE H, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07300</b>	<b>INLET, TYPE H, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07300</b>	<b>INLET, TYPE H, WITH SLOTTED DRAIN</b>	
		<b>12 EACH</b>

<p><i>10-703</i></p> <p><i>SR 37 MOBILITY STUDY</i></p> <p><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>720-07300</b></p>	<p><b>INLET, TYPE H, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>12.0</b>
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*TOTAL* =            *12.0*

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07302</b>	<b>INLET, TYPE HA, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>720-07302</b></p>	<p><b>INLET, TYPE HA, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

<p><i>10-703</i></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>720-07302</b></p>	<p><b>INLET, TYPE HA, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07302</b>	<b>INLET, TYPE HA, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07302</b>	<b>INLET, TYPE HA, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>720-07302</b>	<b>INLET, TYPE HA, WITH SLOTTED DRAIN</b>	<b>12 EACH</b>

<p><i>10-703</i></p> <p><i>SR 37 MOBILITY STUDY</i></p> <p><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>BWS</i>          <i>5/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>720-07302</b></p>	<p><b>INLET, TYPE HA, WITH SLOTTED DRAIN</b></p>	<p><b>12</b></p> <p><b>EACH</b></p>

[illegible]

		<i>SUBTOTAL (THIS PAGE) =</i>		<i>12.0</i>
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*TOTAL = 12.0*



<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>    <i>BWS</i>    <i>11/19/12</i></u>	Checked By: <u>    <i>BWC</i>    <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>    <i>BWS</i>    <i>11/19/12</i></u>	Checked By: <u>    <i>BWC</i>    <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>    <i>BWS</i>    <i>11/19/12</i></u>	Checked By: <u>    <i>BWC</i>    <i>11/24/12</i></u>	
<b>720-45410</b>	<b>MANHOLE, C4</b>	<b>12 EACH</b>

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>12.0</b>
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***TOTAL = 12.0***

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98174</b>	<b>INLET, B15</b>	<b>12 EACH</b>

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>12.0</i></b>
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*TOTAL* =            *12.0*

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>11/19/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>720-98555</b>	<b>INLET, C15</b>	<b>12 EACH</b>

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>12.0</b>
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*TOTAL = 12.0*

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: srs 11/24/12Checked By: srp 11/26/12**731-93945****FACE PANELS, CONCRETE****56,235  
SFT**

<b>Segment</b>	<b>Length</b>	<b>Begin Height</b>	<b>End Height</b>			
	<b>(ft)</b>	<b>(ft)</b>	<b>(ft)</b>			
Since the wall is curved and extends between two alignments (mainline and ramp), all lengths measured in AutoCAD for better accuracy. Segments measured in the direction of travel. Not every wall has all 3 segments. Assumptions made on lengths depending on what the wall looks like. * = measured directly in AutoCAD.						
Segment 1 = Transition from 4 ft to 7 ft						
Segment 2 = 7 ft (around curve)						
Segment 3 = Transition from 7 ft to 4 ft						
<b>NE Wall</b>	<b>361.76</b>					
Segment 1	120.59	4	11			904
Segment 2	120.59	11	11			1326
Segment 3	120.59	11	4			904
<b>SE Wall</b>	<b>336.09</b>					
Segment 1	--	--	--			
Segment 2	252.07	11	11			2773
Segment 3	84.02	11	4			630
<b>SW Wall</b>	<b>299.42</b>					
Segment 1	74.86	4	11			561
Segment 2	224.57	11	11			2470
Segment 3	--	--	--			
<b>NW Wall</b>	<b>266.13</b>					
Segment 1	--	--	--			
Segment 2	266.13	11	11			2927
Segment 3	--	--	--			
<b>INSIDE WALL AREAS COPIED FROM STRUCTURE BACKFILL AREAS (211-09226)</b>						
<b>NB Wall</b>						
275+70.47	281+45.25	4	27			8903
281+45.25	282+95.44	27	27			4055
282+95.44	288+70.49	27	4			8908
<b>SB Wall</b>						
275+70.47	281+45.58	4	27			8914
281+45.58	282+95.77	27	27			4055
282+95.77	288+70.49	27	4			8902

**TOTAL = 56235.0**

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: srs 11/24/12Checked By: srp 11/26/12**731-93946****WALL ERECTION****56,235  
SFT**

<b>Segment</b>	<b>Length</b>	<b>Begin Height</b>	<b>End Height</b>			
	(ft)	(ft)	(ft)			
Since the wall is curved and extends between two alignments (mainline and ramp), all lengths measured in AutoCAD for better accuracy. Segments measured in the direction of travel. Not every wall has all 3 segments. Assumptions made on lengths depending on what the wall looks like. * = measured directly in AutoCAD.						
Segment 1 = Transition from 4 ft to 7 ft						
Segment 2 = 7 ft (around curve)						
Segment 3 = Transition from 7 ft to 4 ft						
<b>NE Wall</b>	<b>361.76</b>					
Segment 1	120.59	4	11			904
Segment 2	120.59	11	11			1326
Segment 3	120.59	11	4			904
<b>SE Wall</b>	<b>336.09</b>					
Segment 1	--	--	--			
Segment 2	252.07	11	11			2773
Segment 3	84.02	11	4			630
<b>SW Wall</b>	<b>299.42</b>					
Segment 1	74.86	4	11			561
Segment 2	224.57	11	11			2470
Segment 3	--	--	--			
<b>NW Wall</b>	<b>266.13</b>					
Segment 1	--	--	--			
Segment 2	266.13	11	11			2927
Segment 3	--	--	--			
<b>INSIDE WALL AREAS COPIED FROM STRUCTURE BACKFILL AREAS (211-09226)</b>						
<b>NB Wall</b>						
275+70.47	281+45.25	4	27			8903
281+45.25	282+95.44	27	27			4055
282+95.44	288+70.49	27	4			8908
<b>SB Wall</b>						
275+70.47	281+45.58	4	27			8914
281+45.58	282+95.77	27	27			4055
282+95.77	288+70.49	27	4			8902

**TOTAL = 56235.0**

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: SRS 11/24/12

Checked By: srp 11/26/12

**731-93947**

## LEVELING PAD, CONCRETE

**3,864**  
**LFT**

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b>3863.4</b>
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***TOTAL = 3863.4***

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-01093</b>	<b>TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY</b>	<b>4 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-01093</b>	<b>TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY</b>	<b>4 EACH</b>

<p style="text-align: right;"><i>10-703</i></p> <p style="text-align: center;"><b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b></p> <p>By: <u>          <i>BWS</i>                    <i>4/26/12</i>                    </u> <span style="float: right;">Checked By: <u>          <i>BWC</i>                    <i>11/24/12</i>                    </u></span></p>		
<b>801-01093</b>	<b>TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY</b>	<b>4 EACH</b>

<p align="center"><b>10-703</b></p> <p align="center"><b>SR 37 MOBILITY STUDY</b></p> <p align="center"><b>PLEASANT STREET</b></p>		
<p>By: <u>BWS</u> <u>4/26/12</u></p>	<p>Checked By: <u>BWC</u> <u>11/24/12</u></p>	
<p><b>801-01093</b></p>	<p align="center"><b>TEMPORARY WORKSITE SPEED LIMIT SIGN</b></p> <p align="center"><b>ASSEMBLY</b></p>	<p align="center"><b>4</b></p> <p align="center"><b>EACH</b></p>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-01093</b>	<b>TEMPORARY WORKSITE SPEED LIMIT SIGN ASSEMBLY</b>	<b>4 EACH</b>

[illegible]

<i>SUBTOTAL (THIS PAGE) =</i>		<i>4.0</i>
<i>TOTAL =</i>		<i>4.0</i>

***TOTAL = 4.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-03290**

## CONSTRUCTION SIGN, C

**2  
EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 2.0***

***TOTAL = 2.0***



**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-04308**

# ROAD CLOSURE SIGN ASSEMBLY

**4  
EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 4.0***

***TOTAL = 4.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-06625**

## DETOUR ROUTE MARKER ASSEMBLY

**18**  
**EACH**

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>18.0</i></b>
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***TOTAL = 18.0***

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: BWS 4/26/12Checked By: BWC 11/24/12**801-06640****CONSTRUCTION SIGN, A****24  
EACH**

<i>Description</i>						<i>Each</i>
<i>Assumptions: Used MOT Plan for 126th and Keystone as example MOT Plan.</i>						
<b><i>MOT Phase I</i></b>						
<i>Begin Project</i>						8
<i>Midde of project</i>						4
<i>End Project</i>						8
					<i>Total =</i>	20
<b><i>MOT Phase II</i></b>						
<i>Begin Project</i>						8
<i>Midde of project</i>						2
<i>End Project</i>						8
					<i>Total =</i>	18
<b><i>MOT Phase III</i></b>						
<i>Begin Project</i>						8
<i>Midde of project</i>						1
<i>End Project</i>						8
					<i>Total =</i>	17
<b><i>MOT Phase IV</i></b>						
<i>Begin Project</i>						8
<i>Midde of project</i>						8
<i>End Project</i>						8
					<i>Total =</i>	24
<b><i>MOT Phase V</i></b>						
<i>Begin Project</i>						8
<i>Midde of project</i>						2
<i>End Project</i>						8
					<i>Total =</i>	18
					<i>Highest Total =</i>	24

SUBTOTAL (THIS PAGE) = 24.0

TOTAL = 24.0

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-06645**

## CONSTRUCTION SIGN, B

4  
EACH

[illegible]

***SUBTOTAL (THIS PAGE) = 4.0***

***TOTAL = 4.0***

10-703

**SR 37 MOBILITY STUDY  
PLEASANT STREET**

By: BWS 4/26/12Checked By: BWC 11/24/12**801-06710****FLASHING ARROW SIGN****510  
DAY**

<i>Description</i>						<i>Day</i>
<i>Assumptions: Used MOT Plan for 126th and Keystone as example MOT Plan.</i>						
<b>MOT Phase I</b>						
<i>Begin Project</i>						45
<i>Midde of project</i>						0
<i>End Project</i>						45
					<i>Total =</i>	90
<b>MOT Phase II</b>						
<i>Begin Project</i>						0
<i>Midde of project</i>						0
<i>End Project</i>						0
					<i>Total =</i>	0
<b>MOT Phase III</b>						
<i>Begin Project</i>						105
<i>Midde of project</i>						0
<i>End Project</i>						105
					<i>Total =</i>	210
<b>MOT Phase IV</b>						
<i>Begin Project</i>						105
<i>Midde of project</i>						0
<i>End Project</i>						105
					<i>Total =</i>	210
<b>MOT Phase V</b>						
<i>Begin Project</i>						0
<i>Midde of project</i>						0
<i>End Project</i>						0
					<i>Total =</i>	0
					<i>Total =</i>	510

SUBTOTAL (THIS PAGE) = 510.0

TOTAL = 510.0

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>BWC</i>          </u>	<u>          <i>4/26/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>BWC</i>          </u>	<u>          <i>4/26/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          </u>	Checked By: <u>          <i>BWC</i>          </u>	<u>          <i>4/26/12</i>          </u> <u>          <i>11/24/12</i>          </u>
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-06775</b>	<b>MAINTAINING TRAFFIC</b>	<b>1 LS</b>

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>1.0</b>
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*TOTAL* =            *1.0*

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i>		
<i>PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-07024</b>	<b>ENERGY ABSORBING TERMINAL, CZ, TL-3</b>	<b>1 EACH</b>

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>1.0</b>
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*TOTAL* =            *1.0*

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-07118**

## BARRICADE, III-A

228  
LFT[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b>228.0</b>
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***TOTAL = 228.0***



**10-703**

# SR 37 MOBILITY STUDY

## PLEASANT STREET

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-07119**

## BARRICADE, III-B

48  
LFT

[illegible]

<b>SUBTOTAL (THIS PAGE) =</b>		<b>48.0</b>
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***TOTAL = 48.0***

**10-703**

# SR 37 MOBILITY STUDY PLEASANT STREET

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-08400**

# TEMPORARY TRAFFIC BARRIER, TYPE 1

**2,600  
LFT**

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>2600.0</i></b>
--------------------------------------	--	----------------------

***TOTAL = 2600.0***

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i></u>	
<b>801-08507</b>	<b>TEMPORARY TRAFFIC BARRIER, TYPE 1, ANCHORED</b>	<b>296 LFT</b>

[illegible]

<i>SUBTOTAL (THIS PAGE) =</i>		<i>296.0</i>
<i>TOTAL =</i>		<i>296.0</i>

*TOTAL* = 296.0

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-08508**

## TEMPORARY TRAFFIC BARRIER, TYPE 2 ANCHORED

**2,600  
LFT**

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>2600.0</i></b>
--------------------------------------	--	----------------------

***TOTAL = 2600.0***

<p><b><i>10-703</i></b></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

<p><b><i>10-703</i></b></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u>	
<b>801-09133</b>	<b>TEMPORARY CHANGEABLE MESSAGE SIGN</b>	<b>2 EACH</b>

<p><i>10-703</i></p> <p><i>SR 37 MOBILITY STUDY</i></p> <p><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

<p><i>10-703</i></p> <p><i><b>SR 37 MOBILITY STUDY</b></i></p> <p><i><b>PLEASANT STREET</b></i></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

<p><i>10-703</i></p> <p><i>SR 37 MOBILITY STUDY</i></p> <p><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

<p><b><i>10-703</i></b></p> <p><b><i>SR 37 MOBILITY STUDY</i></b></p> <p><b><i>PLEASANT STREET</i></b></p>		
<p>By: <u>          <i>BWS</i>          <i>4/26/12</i>          </u></p>	<p>Checked By: <u>          <i>BWC</i>          <i>11/24/12</i>          </u></p>	
<p><b>801-09133</b></p>	<p><b>TEMPORARY CHANGEABLE MESSAGE SIGN</b></p>	<p><b>2</b></p> <p><b>EACH</b></p>

[illegible]

<b><i>SUBTOTAL (THIS PAGE) =</i></b>		<b><i>2.0</i></b>
--------------------------------------	--	-------------------

*TOTAL* = 2.0

***10-703***

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: BWS 4/26/12

Checked By: BWC 11/24/12

**801-52817**

## TEMPORARY CROSSOVER, B

**2**  
**EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 2.0***

***TOTAL = 2.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-05701                      SIGN POST, SQUARE, TYPE 1, REINFORCED  
ANCHOR BASE**

**340**  
**LFT**

[illegible]

***SUBTOTAL (THIS PAGE) = 340.0***

***TOTAL = 340.0***

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i></u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i></u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>JPS</i>          <i>11/28/12</i>          </u>	Checked By: <u>          <i>BWC</i>          <i>12/5/12</i>          </u>	
<b>802-07057</b>	<b>SIGN, PANEL, WITH LEGEND</b>	<b>429 SFT</b>

[illegible]

***SUBTOTAL (THIS PAGE) = 429.0***

<i>TOTAL</i> =	429.0
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**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-07138      WIDE FLANGE SIGN POST SUPPORT FOUNDATION,**  
**IX**

**2**  
**EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 2.0***

***TOTAL = 2.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-07159**

**CANTILEVER SIGN SUPPORT FOUNDATION, II**

**2**  
**EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 2.0***

***TOTAL = 2.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-09840**

**SIGN, SHEET, WITH LEGEND 0.100 IN THICKNESS**

**115**  
**SFT**

[illegible]

***SUBTOTAL (THIS PAGE) = 115.0***

***TOTAL = 115.0***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-76095**

## STRUCTURAL STEEL, BREAKAWAY

**681  
LBS**

[illegible]

***SUBTOTAL (THIS PAGE) = 680.2***

***TOTAL = 680.2***

**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: JPS 11/28/12

Checked By: BWC 12/5/12

**802-76135**

## OVERHEAD SIGN STRUCTURE, CANTILEVER SINGLE ARM

**1  
EACH**

[illegible]

***SUBTOTAL (THIS PAGE) = 1.0***

***TOTAL = 1.0***

<i>10-703</i>		
<i><b>SR 37 MOBILITY STUDY PLEASANT STREET</b></i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i>          </u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/19/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>804-06770</b>	<b>DELINEATOR POST</b>	<b>9 EACH</b>

[illegible]

						TOTAL =	9.0
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**10-703**

**SR 37 MOBILITY STUDY**  
**PLEASANT STREET**

By: DJZ 5/8/12

Checked By: BWS 11/24/12

**808-10031**

**LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN**

**1,771  
LFT**

[illegible]

<b>TOTAL =</b>	<b>1770.7</b>
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<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p> <p>By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>                      Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u></p>		
<b>808-10034</b>	<b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b>	<b>10,573 LFT</b>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></p>	
<p><b>808-10034</b></p>	<p><b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b></p>	<p><b>10,573</b></p> <p><b>LFT</b></p>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></p>	
<p><b>808-10034</b></p>	<p><b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b></p>	<p><b>10,573</b></p> <p><b>LFT</b></p>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></p>	
<p><b>808-10034</b></p>	<p><b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b></p>	<p><b>10,573</b></p> <p><b>LFT</b></p>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></p>	
<p><b>808-10034</b></p>	<p><b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b></p>	<p><b>10,573</b></p> <p><b>LFT</b></p>

<p align="center"><i>10-703</i></p> <p align="center"><i>SR 37 MOBILITY STUDY</i></p> <p align="center"><i>PLEASANT STREET</i></p>		
<p>By: <u>          <i>DJZ</i>          <i>4/11/12</i>          </u></p>	<p>Checked By: <u>          <i>BWS</i>          <i>11/24/12</i>          </u></p>	
<p><b>808-10034</b></p>	<p><b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b></p>	<p><b>10,573</b></p> <p><b>LFT</b></p>

<p align="center"><i>10-703</i></p> <p align="center"><b><i>SR 37 MOBILITY STUDY</i></b></p> <p align="center"><b><i>PLEASANT STREET</i></b></p> <p> <i>By:</i> <u>          <i>DJZ</i>          <i>4/11/12</i>          </u> <i>Checked By:</i> <u>          <i>BWS</i>          <i>11/24/12</i>          </u> </p>		
<b>808-10034</b>	<b>LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN</b>	<b>10,573 LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY</i> <i>PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/11/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-10037</b>	<b>LINE, MULTI-COMPONENT, SOLID, WHITE, 8 IN</b>	<b>1,028</b> <b>LFT</b>

**10-703**

***SR 37 MOBILITY STUDY  
PLEASANT STREET***

By: DJZ 4/11/12

Checked By: BWS 11/24/12

**808-75071**

## PAVEMENT MESSAGE MARKING, PREFORMED PLASTIC, LANE INDICATION ARROW

**8**  
**EACH**

[illegible]

<b><i>TOTAL =</i></b>	<b>8.0</b>
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<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/12/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>DJZ</u>	<u>4/12/12</u>	Checked By: <u>BWS</u> <u>11/24/12</u>
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>DJZ</u>	<u>4/12/12</u>	Checked By: <u>BWS</u> <u>11/24/12</u>
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/12/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
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<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/12/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

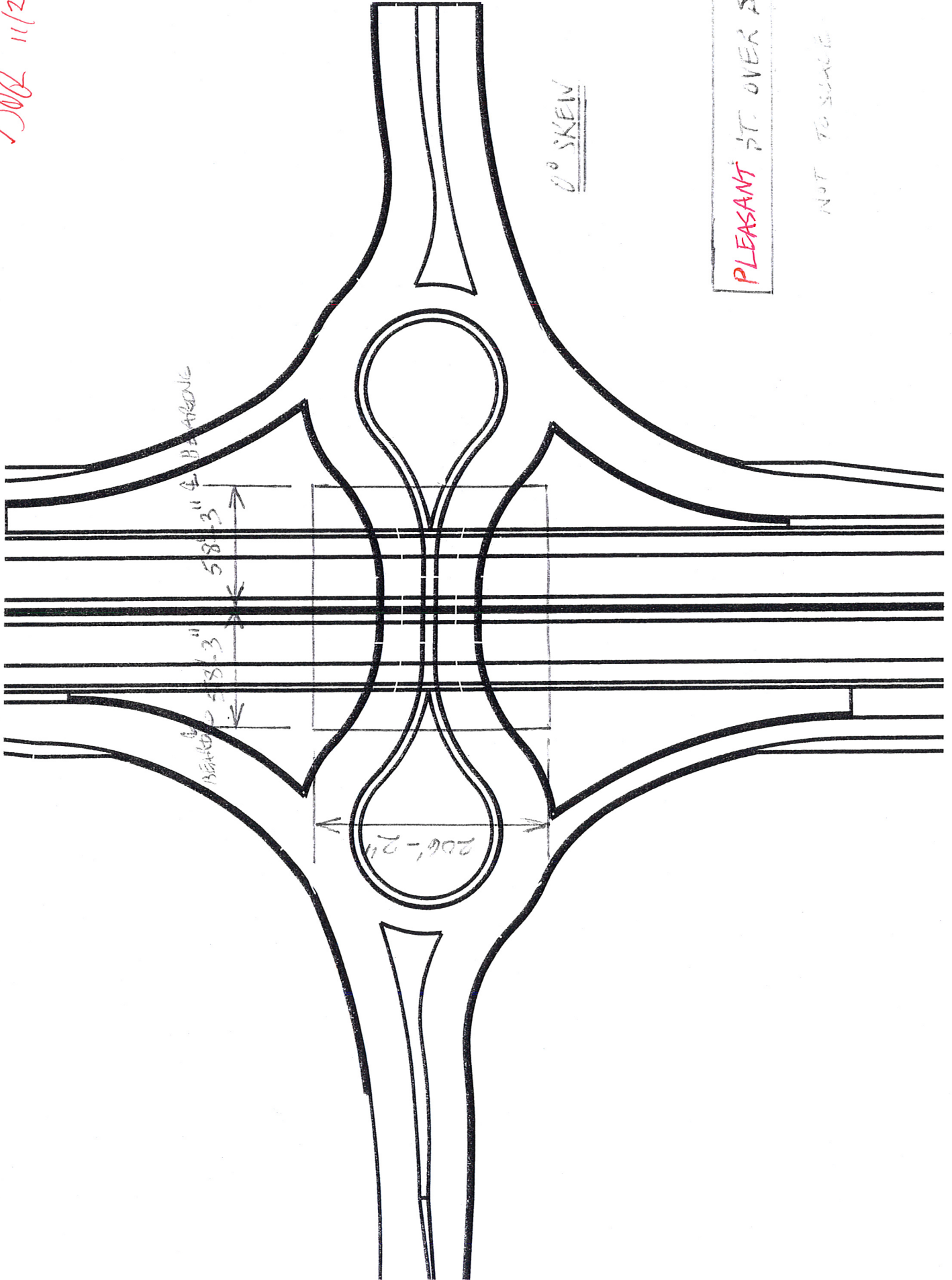
<i>10-703</i>		
<i>SR 37 MOBILITY STUDY PLEASANT STREET</i>		
By: <u>          <i>DJZ</i>          <i>4/12/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

<i>10-703</i>		
<b><i>SR 37 MOBILITY STUDY PLEASANT STREET</i></b>		
By: <u>          <i>DJZ</i>          <i>4/12/12</i></u>	Checked By: <u>          <i>BWS</i>          <i>11/24/12</i></u>	
<b>808-75998</b>	<b>SNOWPLOWABLE RAISED PAVEMENT MARKER</b>	<b>251 EACH</b>

# **BRIDGE QUANTITIES**

**BRIDGE GEOMETRY**  
**PLEASANT STREET OVER SR 37**

JTB 11/15/12  
✓ JOR 11/21/12



PLEASANT PT. OVER SK 37

NOT TO SCALE





# Pleasant St. Over SR37

Des by JTB 11/12/2012

Chk by

JTB 11/14/12

Rev by

## Summary of Bridge Quantities

## Structure Number

INDOT Item Code	Item Description	unit	Quantity
105-06845	CONSTRUCTION ENGINEERING	LS	3%
110-01001	MOBILIZATION AND DEMOBILIZATION	LS	5%
203-02020	EXCAVATION, FOUNDATION, UNCLASSIFIED	CYS	557
211-02050	B BORROW	CYS	557
302-07455	DENSE GRADED SUBBASE	CYS	156
609-06259	REINFORCED CONCRETE BRIDGE APPROACH, 12 IN.	SYS	939
701-06011	DYNAMIC PILE LOAD TEST	EACH	3
701-09559	TEST PILE, DYNAMIC, RESTRIKE	EACH	3
701-09690	TEST PILE, DYNAMIC, 14 IN NON-PRODUCTION	LFT	210
701-08122	PILE, STEEL PIPE, 0.375", 14	LFT	5,580
702-51005	CONCRETE,A,SUBSTRUCTURE	CYS	300
702-51015	CONCRETE,B,FOOTINGS	CYS	206
703-06028	REINFORCING BARS	LBS	61,660
703-06029	REINFORCING BARS, EPOXY COATED	LBS	443,858
704-51002	CONCRETE, C, SUPERSTRUCTURE	CYS	1,696
706-09959	RAILING, CONCRETE, FT	LFT	236
707-05983	STRUCTURAL MEMBERS, CONCRETE I-BEAM, II, 36 IN. X 12 IN.	LFT	2,680
709-51821	SURFACE SEAL	SFT	29,198 estimated

# Pleasant St. over SR 37

Des by JTB 11/12/2012  
Chk by JTB 11/14/12  
Rev by

Proposed Structure # is \_\_\_\_\_

Pleasant Street over SR 37

Design Standards = Road Over Under  
4R 4R

Functional Classification = Urban Collector Urban Arterial

ADT = xxxx (yr. 2030) xxxx

Design Speed = 35 mph 55

Vertical Clearance Req'd = 16.5 feet

Skew = 0 degrees

Calculated C-C End Brg. Length = 116.5 feet

USE 116.5 feet

Span Configuration Anticipated = 1 @ 58.25 feet  
1 @ 58.25 feet

# Pleasant St. over SR 37

Des by JTB 11/12/2012  
Chk by JDR 11/14/12  
Rev by

Proposed Structure # is 0

Pleasant Street over SR 37

Number of Spans = 2 spans

O-O Coping Width = 206.17 feet

C-C End Brg Length = 116.5 feet

Skew = 0.0000 degrees

O-O Bridge Length = 118.0 feet

Clear Roadway Width = 202.83 feet

Slab Thickness = 8 inches

Number of Piers units = 1

Number of Substructure units = 3

Twin Structure = NO

Type of Slope Wall = MSE Wall

# Pleasant St. over SR 37

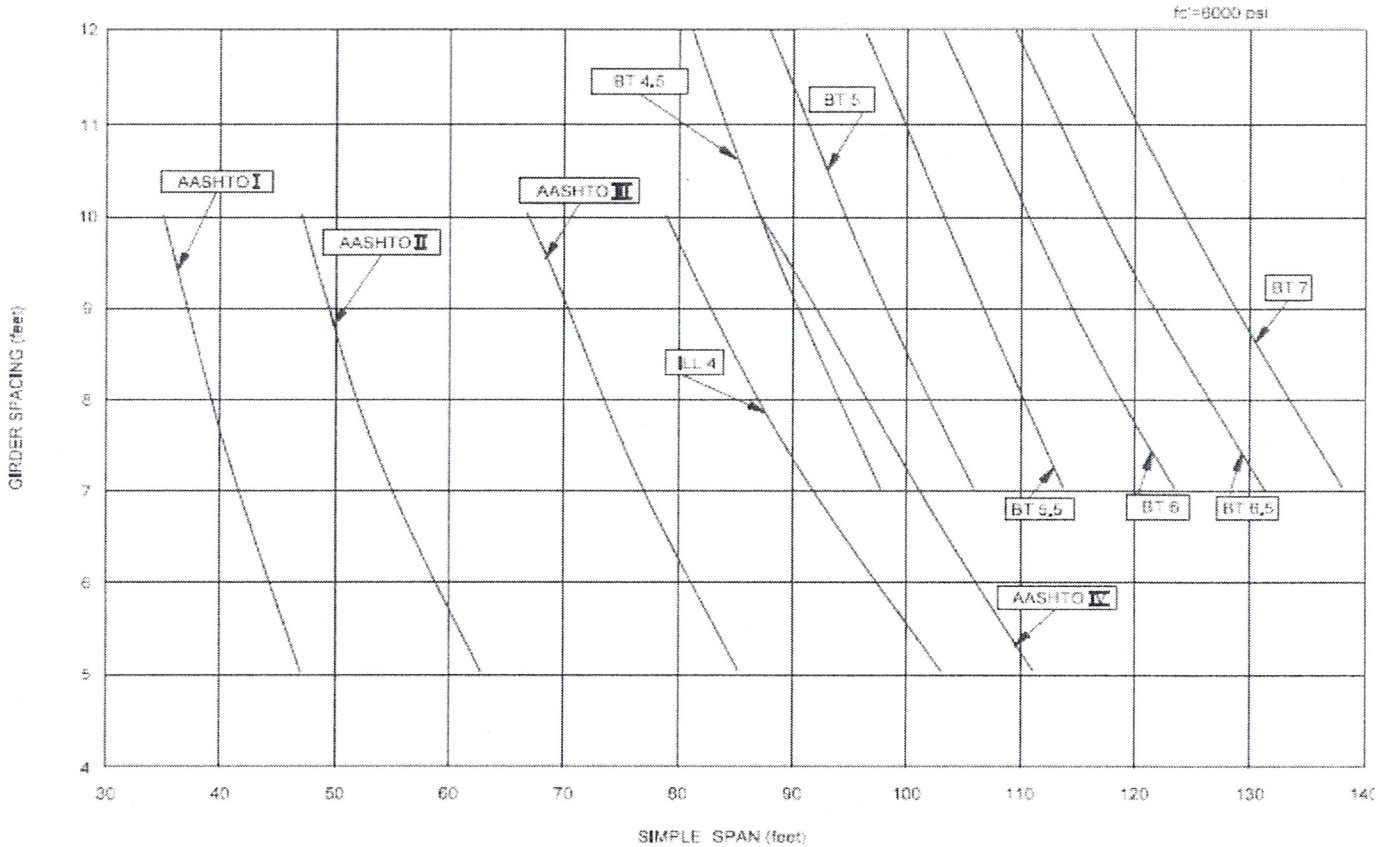
Des by JTB 11/12/2012

Chk by JTB 11/14/12

Rev by \_\_\_\_\_

## Beam Quantities

Structure Number 0  
Pleasant Street over SR 37



## PRESTRESSED CONCRETE I-BEAM SELECTION CHART

Figure 59-3K

Beam Type = STRUCTURAL MEMBERS, CONCRETE I-BEAM, II, 36 IN. X 12 IN.

Overhang to be = 3.1705 ft  
Spacing to be = 9.083 ft

out to out width = 206.17 ft  
Beam Length = 116.50 ft  
Beams Needed = 23 ft

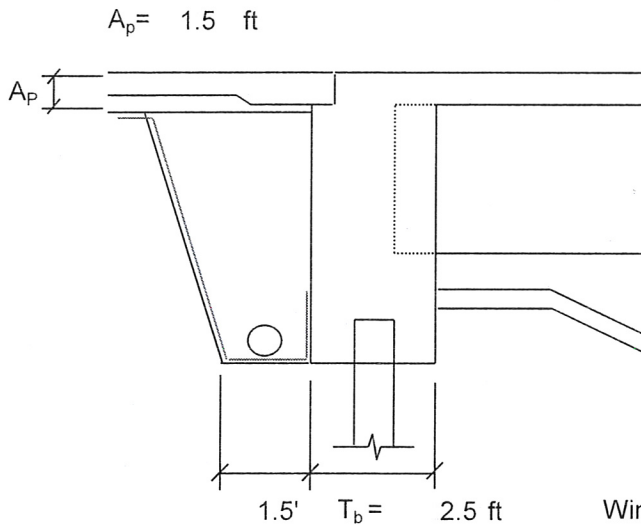
Twin Structure = NO

Length Needed = 2,680 ft



## Bent Quantities

Structure Number 0  
Pleasant Street over SR 37



## Structure Data

Out to Out Coping 206.17 ft  
Skew 0 degrees  
Wingwall Thickness ( $W_t$ ) 0 ft  
Number of Bents ( $N_b$ ) 2

## Reinforcing Rates

Bent Body 145 #/CY  
Wingwalls 145 #/CY

## Calculated Constants

Bent Length ( $L_B$ ) = O-to-O Coping / cos(skew) = 206.17 ft  
Total Bent Depth ( $D_T$ ) =  $D_s + D_g + D_b + D_c$  = 7.83 ft  
Wing Length ( $W_L$ ) =  $(D_T - D_c) * 2 + 1'$  = 0.00 ft

## Concrete Quantities

Class C, Superstructure

Bent Body  $V_B = N_b * (T_b * (D_T - D_s) * L_B) / 27$   
 $V_B = 267.3$  cubic yards

Wingwalls  $V_W = N_b * (2 * D_T * W_L * W_t) / 27$   
 $V_W = 0.0$  cubic yards

Total Class C, Superstructure 267.3 cubic yards

## Epoxy Coated Reinforcing Bar Quantities

Bent Body	38,752	lbs.
Wingwalls	00	lbs.
Total	38,752	lbs.

## Piling Quantities

Number of Piles per Bent	23	piles
Estimated Pile Length	60	ft.
Total Length of Piles	2,760	linear feet

Pipe, End Bent Drain, 6" =  $N_b * (L_B + 2 * (W_L + 3 * D_T))$  = 0.0 ft.

Geotextiles =  $N_b * ((D_T - A_p) * 1.031 + 4.5') * L_B / 9$  = 0.0 sys

## Aggregate for End Bent Backfill

$V_{bf} = ((D_T - A_p) / 4 + 1.5) * 1.5 / 2 * (D_T - A_p) * L_B * N_b$   
 $V_{bf} = 0$  cubic yards

# Pleasant St. over SR 37

Des by JTB 11/12/2012

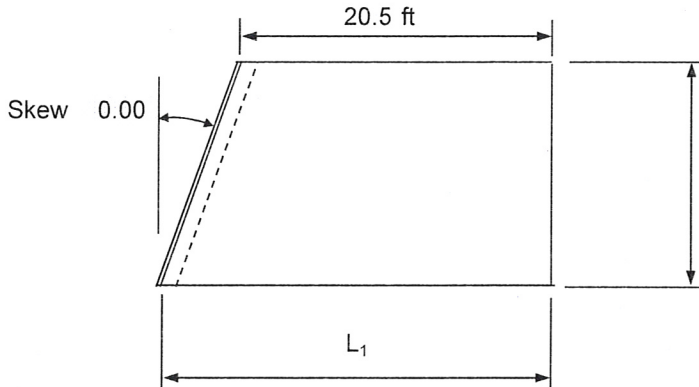
Chk by 11/14/12

Rev by \_\_\_\_\_

## Approach Slab Quantities

Structure Number 0  
Pleasant Street over SR 37

Number of Approach Slabs 2



O-to-O Copping  $W_c =$  206.17 ft.

$$L_1 = 20.5 + (W_c \times \tan \text{skew})$$

$$L_1 = 20.50 \text{ ft.}$$

$$D_{\text{sub}} = \text{Depth of Aggregate (inches)} = 6$$

$$\text{Reinforced Concrete Bridge Approach (A)} = (L_1 + 20.5) / 2 * W_c / 9$$

$$A = 470 \text{ sys per approach}$$

$$\text{Dense Graded Subbase (T}_{\text{base}}) = A * D_{\text{sub}}$$

$$T_{\text{base}} = 78.0 \text{ cys per approach}$$

### Epoxy Coated Reinforcing Bars

Reinforcement Rates 35 #/sy

Total Weight 16,436 Lbs.  
per approach

### Grand Totals

A = 939 sys

$T_{\text{base}}$  = 156 cys

Reinforcing 32,872 Lbs.

# Pleasant St. over SR 37

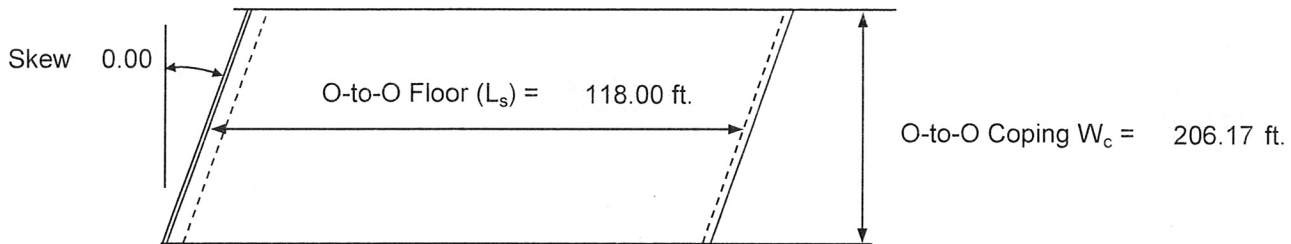
Des by JTB 11/12/2012

Chk by JDB 11/14/12

Rev by \_\_\_\_\_

## Deck Quantities

## Structure Number 0 Pleasant Street over SR 37

Slab Thickness  $T_s$  = 8.00 inchesCoping Depth  $D_c$  = 9 inchesClear Roadway Width  $CR$  = 202.8 ft

## Concrete Quantities

Class C, Superstructure

$$\text{Deck Slab } V_D = (L_s * W_c * T_s) / 27$$

$$V_D = 600.7 \text{ cubic yards}$$

$$\text{Sidewalk } V_s = (L_s * (W_c - 60') * 1') / 27$$

$$V_s = 638.8 \text{ cubic yards}$$

Concrete in fillets over beams and in thickened copings  
Increase deck concrete by 15%

$$V_T = 1428.7 \text{ cys cubic yards}$$

Twin Structure = NO

# of Bridge Rail Trans = 4

Pier Diaphragm - Class, C, Superstr.  
(add to Concrete, C, Superstructure)

$$\text{Vol} = 3.83' * 3.5' * 199.66' * 1' / 27 = 99.1 \text{ cys}$$

## Bridge Railing

$$\text{Area of Rail } A_r = 3.64 \text{ Sq. Ft.}$$

$$\text{Perimeter } P = 8.65 \text{ Ft.}$$

$$\text{LFT} = 236$$

$$V_R = (L_s * A_r) / 27$$

$$V_R = 31.9 \text{ cubic Yards}$$

## Surface Seal

$$\text{Deck} = L_s * W_c = 24328 \text{ square feet}$$

$$\text{Coping} = L_s * D_c * 2 = 787 \text{ square feet}$$

$$\text{Rail} = L_s * P * 2 = 4083 \text{ square feet}$$

$$\text{Total} = 29,198 \text{ square feet}$$

## Epoxy Coated Reinforcing Bars

Reinforcement Rates 250 #/cy

Deck 250 #/cy

Rail 330 #/cy

Deck 357175 Lbs.

Rail 10527 Lbs.

Trans. 4532 Lbs.

Total Weight 372,234 Lbs.

## Grates, Basins, and Fittings, Cast Iron

$$N_G = 0 \text{ each}$$

Weight per Drain = 1000 Lbs.

Total Weight 0 Lbs.

## Roadway Drain (SQ or OS)

$$N_G = 0 \text{ each}$$



# Pleasant St. over SR 37

Des by JTB 11/12/2012

Chk by JTB 11/14/12

Rev by \_\_\_\_\_

## Excavation Quantities

Structure Number 0  
Pleasant Street over SR 37

Number of Piers  $N_p = 1$

$D_c = 6$  ft.

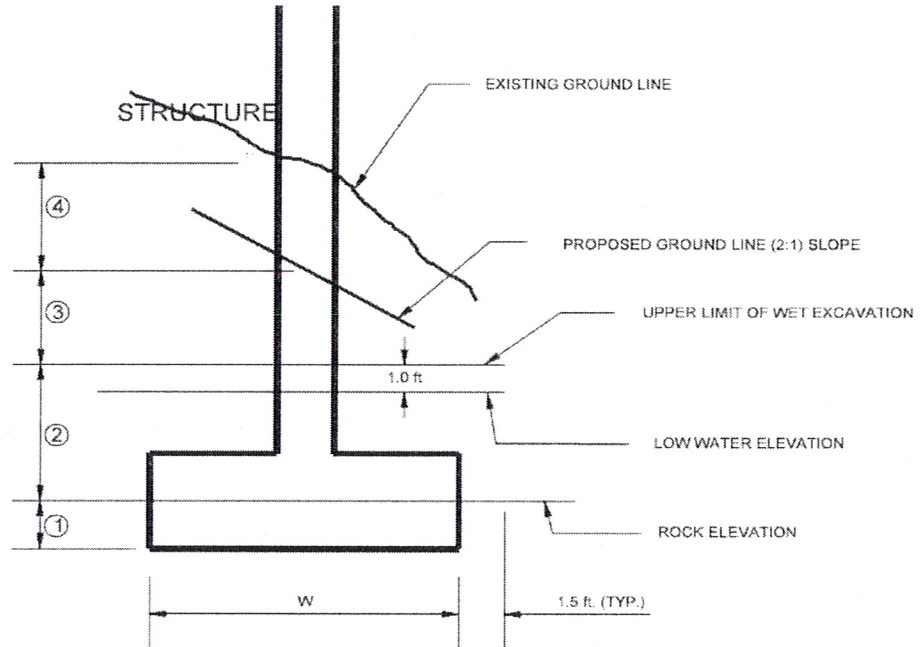
$D_{dry} = 0$  ft.

$D_{wet} = 0$  ft.

$D_x = 0$  ft.

$W = 9$  ft.

$L = 206$  ft.



Class X Excavation ( $V_x$ ) =  $N_p \times L \times W \times D_x / 27 = 0$  cubic yards

Wet Excavation ( $V_{wet}$ ) =  $N_p \times (L+3)(W+3)(D_{wet}) / 27 = 0$  cubic yards

Dry Excavation ( $V_{dry}$ ) =  $N_p \times (L+3)(W+3)(D_{dry}) / 27 = 0$  cubic yards

Fnd. Exc.(Unclass.) ( $V_c$ ) =  $N_p \times (L+3)(W+3)(D_c) / 27 = 557$  cubic yards

Is this structure over a waterway? **No**

B-Borrow ( $V_b$ ) = Sum of Excavation Items = 557 cubic yards

Rev. 9/2/09

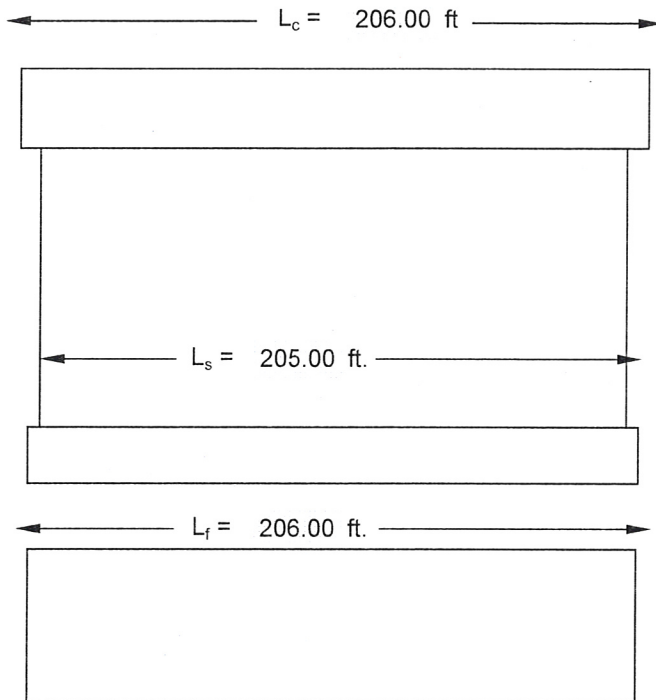
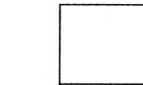
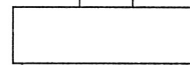
# Pleasant St. over SR 37

Des by JTB 11/12/2012

Chk by JTB 11/14/12

Rev by \_\_\_\_\_

## Pier Quantities

Structure Number 0  
Pleasant Street over SR 37 $W_c = 3$  ft $H_c = 2.5$  ft $T_s = 2$  $H_s = 16$  ft $H_f = 3$  ft $W_f = 9$  ft

Number of Piers 1

### Reinforcing Rates

Footings	110	#/CY
Stem & Cap	130	#/CY

## Concrete Quantities

Class B, Footing	$V_B = L_f \times W_f \times H_f \times 1/27$
	$V_B = 206.0$ cubic yards

Class A, Substructure	$V_A = (L_s \times W_s \times H_s + L_c \times W_c \times H_c) \times 1/27$
	$V_A = 300.0$ cubic yards

## Reinforcing Bar Quantities

Footings	22,660	lbs.
Stem and Cap	39,000	lbs.
Total	61,660	lbs.

## Piling Quantities

Est of Piles per Pier	50	piles
Estimated Pile Length	60	ft.
Total Length of Piles	3,000	linear feet