

RESOLUTION NO. 2021- 476

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 3 TO CONTRACT NO. C20-0091, PURCHASE ORDER NO. 20-07849 ISSUED TO CHARLES MARANDINO, LLC, MILMAY, NJ, IN THE AMOUNT OF \$91,464.40.

WHEREAS, the City Council of the City of Vineland, on September 3, 2020, adopted Resolution No. 2020-357, entitled "A RESOLUTION AWARDING A CONTRACT TO CHARLES MARANDINO, LLC, MILMAY, NJ FOR THE RESURFACING OF LANDIS AVENUE PHASE ZERO (MYRTLE STREET TO MAIN ROAD), IN THE AMOUNT OF \$2,116,225.25; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the management personnel of Engineering has requested that an amendment be made to contract awarded to Charles Marandino, LLC, Milmay, NJ, for the Resurfacing of Landis Avenue Phase Zero (Myrtle Street to Main Road), as authorized by Resolution No. 2020-357, said amendment is made necessary due to the addition of construction layout work, a change in scope of drainage work due to sanitary clearance conflicts and other related work; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.9, and to that end herewith files with the governing body a report stating the facts involved and indicating that said change order may be allowed under these regulations; and

WHEREAS, the Chief Financial Officer has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of \$91,464.40; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order #3 to Contract No. C20-0091, Purchase Order No. 20-07849 issued to Charles Marandino, LLC, in the amount of \$91,464.40, be and the same is hereby ratified and approved.

Adopted:

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President of Council

ATTEST:

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City Clerk



October 5, 2021

TO THE MAYOR AND COUNCIL  
OF THE CITY OF VINELAND

Amendatory Supplemental Change Order No. 3  
Contract No. C20-0091, Purchase Order No. 20-007849  
Landis Avenue Phase Zero (Myrtle Street to Main Road)  
Charles Marandino, LLC, Milmay, NJ

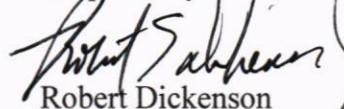
We are requesting an amendatory supplemental change order to Contract No. C20-0091, Purchase Order No. 20-007849, issued to Charles Marandino, LLC for the Resurfacing of Landis Avenue Phase Zero (Myrtle Street to Main Road). This contract was authorized by Resolution No. 2020-357, adopted by City Council on September 3, 2020.

The change order requested, in the amount of \$91,464.40, provides for the addition of construction layout work, a change in scope of drainage work due to sanitary clearance conflicts and other related work. This change order, plus change order #1 (\$251,965) represents an increase of approximately 16.2284% over the original contract amount of \$2,116,225.25.

Change Order No. 2 extended the contract completion period to April 30, 2021.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,

  
Robert Dickenson  
Business Administrator

RD/wr  
Encl.

2071

REQUEST FOR CHANGE ORDER



FOR:

LANDIS AVENUE PHASE ZERO *COV- 2020-27*

**PROJECT NAME**

TO: BUSINESS ADMINISTRATION

DEPARTMENT: ADMIN / ENGINEERING FROM: DAVID J. MAILLET

This is a request for change order # 3 to Contract # PO 20-07849 for:

Project Name Landis Avenue Phase 0

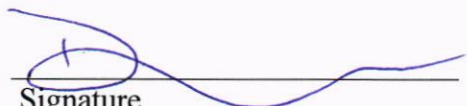
Name/Address of Contractor: CHARLES MARANDINO, LLC

The change order is necessary because: (use additional pages if necessary to explain your reason and you must attach \*documentation to support the necessity of this change order.  
\*(Documentation from contractor, engineer, etc.)

**SEE ATTACHED "CHANGE ORDER 3 JUSTIFICATION"**

<b>Original Contract Amount:</b>	\$ <u>2,116,225.25</u>
<b>Amount of this change order:</b>	\$ <u>91,464.40</u> <i>Approx. 16.2284%</i>
<b>Previous Change Orders:</b>	\$ <u>251,965.00</u>
<b>Total Revised Amount:</b>	\$ <u>2,459,654.65</u>

APPROVED BY: David J. Maillet, PE  
Print/type

  
Signature

**NOTE:**  
**CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT**

Please provide the account number that the change order will be charged to:

Account # ~~TO BE PROVIDED BY CFO~~ C-04-00-000-2120-78001

CC: Purchasing Division



**NEW JERSEY DEPARTMENT OF TRANSPORTATION  
DIVISION OF LOCAL AID & ECONOMIC DEVELOPMENT  
FEDERAL AID CHANGE ORDER**

Sheet 1 of 2  
Order No. 1  
Interim   
Final   
Date 9/27/2021

Project RESURFACING OF LANDIS AVENUE, PHASE 0  
Federal Project No. STBGP-1030(310) CON Doc. No. \_\_\_\_\_ NJDOT Job No. 6014437  
Contractor CHARLES MARANDINO, LLC

You are hereby directed to implement the following changes in accordance with the provisions of the specifications for this contract.

**Nature and reason of order:**

Addition of construction layout work to be done by contractor's surveyor from project start. Change in scope of drainage work due to sanitary clearance conflicts. Test pit additions due to sanitary clearance issues. Additional work for sanitary lateral replacements. Additional flagger hours due to change in requirements for traffic control. Additional manhole structure for sanitary conflicts.

Extension  Reduction of time recommended this order \_\_\_\_\_

CONTRACT AMOUNT	ROAD	BRIDGE	TOTAL
Amount of original contract	\$ 2,116,225.25	\$	\$ 2,116,225.25
Adjusted amount based on order Nos. 1, 2	\$ 251,965.00	\$	\$ 2,368,190.25

ORDER NO. <u>3</u>	<input checked="" type="checkbox"/> Road	<input type="checkbox"/> Bridge	<input type="checkbox"/> Other
	Road	Bridge	Total
New Work	\$ 68,347.16	\$	\$
Quantity Increases	\$ 23,117.24	\$	\$
Quantity Decreases	\$	\$	\$
<b>Total</b>	<b>\$ 2,459,654.65</b>	<b>\$</b>	<b>\$</b>

CONTRACT TIME	
Original Completion Date	Jan 2, 2021
Adjustment This Order (+ or -)	
Previous Adjustments (+ or -)	+118 days
Adjusted Completion Date	April 30, 2021

Recommended: \_\_\_\_\_ Date 9/28/21  
*[Signature]*

County / Municipal / Sponsor's Engineer \_\_\_\_\_ Date

Name: David T. Maillet Title: City Engineer

Approved: \_\_\_\_\_

Approved: \_\_\_\_\_

Presiding Officer \_\_\_\_\_ Date

Manager, District \_\_\_\_\_, Local Aid \_\_\_\_\_ Date

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Name: \_\_\_\_\_

Accepted: \_\_\_\_\_

*[Signature]* \_\_\_\_\_ Date 9/28/2021  
Contractor's Authorized Signature

Unprotested

Protested by letter dated \_\_\_\_\_ attached.

Name GARY T. GIBLO

Title GEN. MANAGER

**NEW JERSEY DEPARTMENT OF TRANSPORTATION  
DIVISION OF LOCAL AID & ECONOMIC DEVELOPMENT  
FEDERAL AID CHANGE ORDER**

Sheet 2 of 2  
Order No. 1  
Interim   
Final   
Date 9/27/2021

Project RESURFACING OF LANDIS AVENUE, PHASE 0  
Federal Project No. STBGP-1030(310) CON Doc. No. \_\_\_\_\_ NJDOT Job No. 6014437  
Contractor CHARLES MARANDINO, LLC

ITEM NO.	DESCRIPTION	QUANTITY [+ Increase "or" - Decrease "or" New Work]	UNIT	UNIT PRICE	AMOUNT
2.02	EXCAVATION, TEST PIT (IF & WHERE DIRECTED)	+109.67	CY	\$50.00	+\$5,483.50
7.08	MANHOLE, 5' DIAMETER	+1	UNIT	\$7,114.00	+\$7,114.00
11.08	TRAFFIC DIRECTOR, FLAGGER	+138.00	HOURS	\$76.23	+\$10,519.74
S2	EXTRA SANITARY PIPE INSTALL 1068 LANDIS AVE	+1	LS	\$1,000.00	+\$1,000.00
S3	CONSTRUCTION SITE LAYOUT: CURB AND GUTTER	+8,894.83	LF	\$2.00	+\$17,789.66
S4	CONSTRUCTION SITE LAYOUT: DRAINAGE STRUCTURES	+21	UNIT	\$310.00	+6,510.00
S5	15" HDPE W/ STONE BEDDING	+335	LF	\$128.50	+43,047.50

Amount of Original Contract	\$	<u>2,116,225.25</u>
Adjusted Amount Based on Change Order No. 1, 2, 3	\$	<u>2,459,654.65</u>
Total Change (+ or -)	\$	<u>+343,429.40</u>
% Change in Contract [(+) Increase or (-) Decrease]		<u>+16.2284%</u>



CONTRACT: LANDIS AVENUE, PHASE ZERO

CONTRACTOR: CHARLES MARANDINO, LLC  
PO Box 20  
Milmay, NJ 08340

PO #: 20-07849

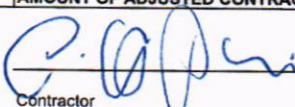
ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
1	CLEARING SITE	1	LS		1.00	\$70,000.00	\$70,000.00	70,000.00	70,000.00	0.00
2.01	EXCAVATION, UNCLASSIFIED (IF & WHERE DIRECTED)	200	CY		200.00	\$ 1.00	\$ 1.00	200.00	200.00	0.00
2.02	EXCAVATION, TEST PIT (IF & WHERE DIRECTED)	20	CY	109.67	129.67	\$ 50.00	\$ 50.00	1,000.00	6,483.50	5,483.50
3.01	DENSE GRADED AGGREGATE BASE COURSE, VARIABLE THICKNESS (IF & WHERE DIRECTED)	300	CY		300.00	\$ 1.00	\$ 1.00	300.00	300.00	0.00
3.02	SELECT FILL (IF & WHERE DIRECTED)	300	CY		300.00	\$ 1.00	\$ 1.00	300.00	300.00	0.00
4.01	HMA MILLING, 3" OR LESS	21,550	SY		21,550.00	\$ 3.00	\$ 3.00	64,650.00	64,650.00	0.00
5.01	HOT MIX ASPHALT 12.5ME SURFACE COURSE, 2" THICK	2,700	TON		2,700.00	\$ 80.00	\$ 80.00	216,000.00	216,000.00	0.00
5.02	HOT MIX ASPHALT 19M64 INTERMEDIATE BASE COURSE, 4" THICK (IF & WHERE DIRECTED)	300	TON		300.00	\$ 1.00	\$ 1.00	300.00	300.00	0.00
5.03	CLEARING SITE	0	0		0.00	\$ -	\$ -	0.00	0.00	0.00
5.04	HOT MIX ASPHALT 9.5M64 INTERMEDIATE COURSE (IF & WHERE DIRECTED)	150	TON		150.00	\$ 50.00	\$ 50.00	7,500.00	7,500.00	0.00
5.05	TACK COAT	2,275	GAL		2,275.00	\$ 0.01	\$ 0.01	22.75	22.75	0.00
6.01	12" REINFORCED CONCRETE PIPE	240	LF		240.00	\$ 90.00	\$ 90.00	21,600.00	21,600.00	0.00
6.02	15" REINFORCED CONCRETE PIPE	1,350	LF		1,350.00	\$ 95.00	\$ 95.00	128,250.00	128,250.00	0.00
6.03	18" REINFORCED CONCRETE PIPE	90	LF		90.00	\$ 98.00	\$ 98.00	8,820.00	8,820.00	0.00
6.04	24" REINFORCED CONCRETE PIPE	180	LF		180.00	\$ 101.00	\$ 101.00	18,180.00	18,180.00	0.00
6.05	30" REINFORCED CONCRETE PIPE	240	LF		240.00	\$ 121.00	\$ 121.00	29,040.00	29,040.00	0.00
6.06	12" IRON PIPE	30	LF		30.00	\$ 143.00	\$ 143.00	4,290.00	4,290.00	0.00
7.01	RECONSTRUCT INLET, TYPE 'B' WITH CASTING	3	UNIT		3.00	\$ 1,800.00	\$ 1,800.00	5,400.00	5,400.00	0.00
7.02	INLET, TYPE 'A' WITH CASTING	1	UNIT		1.00	\$ 3,750.00	\$ 3,750.00	3,750.00	3,750.00	0.00
7.03	RECONSTRUCTED MANHOLE, USING EXISTING CASTING	6	UNIT		6.00	\$ 1,850.00	\$ 1,850.00	11,100.00	11,100.00	0.00
7.04	INLET, TYPE 'B' WITH CASTING	12	UNIT		12.00	\$ 3,500.00	\$ 3,500.00	42,000.00	42,000.00	0.00
7.05	MANHOLE, SPECIAL STRUCTURE	1	UNIT		1.00	\$19,895.00	\$19,895.00	19,895.00	19,895.00	0.00
7.06	MANHOLE, 6' DIAMETER	4	UNIT		4.00	\$ 7,800.00	\$ 7,800.00	31,200.00	31,200.00	0.00
7.07	INLET CASTING, TYPE 'B'	11	UNIT		11.00	\$ 850.00	\$ 850.00	9,350.00	9,350.00	0.00
7.08	MANHOLE, 5' DIAMETER	6	UNIT	1.00	7.00	\$ 7,114.00	\$ 7,114.00	42,684.00	49,798.00	7,114.00
8.01	CONCRETE SIDEWALK, 4" THICK	4,850	SY		4,850.00	\$ 79.00	\$ 79.00	383,150.00	383,150.00	0.00
8.02	CONCRETE DRIVEWAY, REINFORCED, 6" THICK	2,187	SY		2,187.00	\$ 84.00	\$ 84.00	183,708.00	183,708.00	0.00
9.01	9"x16" CONCRETE VERTICAL CURB	9,450	LF		9,450.00	\$ 36.00	\$ 36.00	340,200.00	340,200.00	0.00
9.02	CONCRETE GUTTER	1,600	SY		1,600.00	\$ 158.00	\$ 158.00	252,800.00	252,800.00	0.00
10	DETECTABLE WARNING SURFACE	60	SY		60.00	\$ 425.00	\$ 425.00	25,500.00	25,500.00	0.00
11.01	CONSTRUCTION SIGNS	800	SF		800.00	\$ 10.00	\$ 10.00	8,000.00	8,000.00	0.00
11.02	FLASHING ARROW BOARD, 4'x8'	2	UNIT		2.00	\$ 2,000.00	\$ 2,000.00	4,000.00	4,000.00	0.00




PO #: 20-07849

ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	QUANTITY ADJUSTMENT	ADJUSTED QUANTITY	CONTRACT UNIT PRICE	ADJUSTED UNIT PRICE	CONTRACT AMOUNT	FINAL AMOUNT	AMOUNT OF CHANGE
11.03	TRAFFIC CONTROL TRUCK WITH MOUNTED CRASH CUSHIONS	2	UNIT		2.00	\$ 2,000.00	\$ 2,000.00	4,000.00	4,000.00	0.00
11.04	DRUM	100	UNIT		100.00	\$ 1.00	\$ 1.00	100.00	100.00	0.00
11.05	TRAFFIC CONES	100	UNIT		100.00	\$ 1.00	\$ 1.00	100.00	100.00	0.00
11.06	BREAKAWAY BARRICADE	25	UNIT		25.00	\$ 1.00	\$ 1.00	25.00	25.00	0.00
11.07	VARIABLE MESSAGE SIGN	2	UNIT		2.00	\$ 4,500.00	\$ 4,500.00	9,000.00	9,000.00	0.00
11.08	TRAFFIC DIRECTOR, FLAGGER	150	MH	138.00	288.00	\$ 76.23	\$ 76.23	11,434.50	21,954.24	10,519.74
12.01	TRAFFIC STRIPES, 4"	12,600	LF		12,600.00	\$ 0.40	\$ 0.40	5,040.00	5,040.00	0.00
12.02	TRAFFIC STRIPES, 12"	1,130	LF		1,130.00	\$ 4.00	\$ 4.00	4,520.00	4,520.00	0.00
12.03	NO ITEM	0	0		0.00	\$ -	\$ -	0.00	0.00	0.00
12.04	TRAFFIC STRIPES, 8"	1,220	LF		1,220.00	\$ 1.30	\$ 1.30	1,586.00	1,586.00	0.00
12.05	TRAFFIC MARKINGS SYMBOLS	920	SF		920.00	\$ 6.50	\$ 6.50	5,980.00	5,980.00	0.00
13.01	REGULATORY AND WARNING SIGN	750	SF		750.00	\$ 31.00	\$ 31.00	23,250.00	23,250.00	0.00
13.02	REFLECTIVE U-POST INSERTS	90	UNIT		90.00	\$ 31.00	\$ 31.00	2,790.00	2,790.00	0.00
14.01	RPM, BI-DIRECTIONAL, AMBER LENS	53	UNIT		53.00	\$ 31.00	\$ 31.00	1,643.00	1,643.00	0.00
14.02	RPM, BI-DIRECTIONAL, BLUE LENS	12	UNIT		12.00	\$ 31.00	\$ 31.00	372.00	372.00	0.00
15.01	TREE REMOVAL, 18" TO 36" DIAMETER	15	UNIT		15.00	\$ 500.00	\$ 500.00	7,500.00	7,500.00	0.00
15.02	TREE REMOVAL, OVER 36" DIAMETER	5	UNIT		5.00	\$ 500.00	\$ 500.00	2,500.00	2,500.00	0.00
16	NO ITEM	0	0		0.00	\$ -	\$ -	0.00	0.00	0.00
17	FLASHING BEACON	2	UNIT		2.00	\$ 8,900.00	\$ 8,900.00	17,800.00	17,800.00	0.00
18	TURF REPAIR STRIP	8,000	LF		8,000.00	\$ 0.10	\$ 0.10	800.00	800.00	0.00
19.01	RESET MANHOLE	12	UNIT		12.00	\$ 800.00	\$ 800.00	9,600.00	9,600.00	0.00
19.02	NO ITEM	0	0		0.00	\$ -	\$ -	0.00	0.00	0.00
19.03	RECONSTRUCTED MANHOLE, USING EXISTING CASTING	6	UNIT		6.00	\$ 1,500.00	\$ 1,500.00	9,000.00	9,000.00	0.00
19.04	3" RIGID NON METALLIC CONDUITS	750	LF		750.00	\$ 31.30	\$ 31.30	23,475.00	23,475.00	0.00
19.05	18x36 JUNCTION BOX	8	UNIT		8.00	\$ 2,440.00	\$ 2,440.00	19,520.00	19,520.00	0.00
20	ASPHALT PRICE ADJUSTMENT	1	LS		1.00	\$20,000.00	\$20,000.00	20,000.00	20,000.00	0.00
21	FUEL PRICE ADJUSTMENT	1	LS		1.00	\$ 3,000.00	\$ 3,000.00	3,000.00	3,000.00	0.00
S1	SANITARY SEWER REPLACEMENT	23	LF		23.00	\$10,955.00	\$10,955.00	251,965.00	251,965.00	0.00
S2	EXTRA SANITARY PIPE INSTALL 1068 LANDIS AVE	0	LS	1.00	1.00	\$ -	\$ 1,000.00	0.00	1,000.00	1,000.00
S3	CONSTRUCTION SITE LAYOUT: CURB AND GUTTER	0	LF	8894.83	8,894.83	\$ -	\$ 2.00	0.00	17,789.66	17,789.66
S4	CONSTRUCTION SITE LAYOUT: DRAINAGE STRUCTURES	0	UNIT	21.00	21.00	\$ -	\$ 310.00	0.00	6,510.00	6,510.00
S5	15" HDPE W/ STONE BEDDING	0	LF	335.00	335.00	\$ -	\$ 128.50	0.00	43,047.50	43,047.50
TOTAL OF CHANGE ORDER #3:										\$91,464.40
TOTAL PERCENT FOR THIS CHANGE ORDER:		4.3221%								
PERCENT TOTAL CHANGE ORDER TO DATE OF ORIGINAL CONTRACT		16.2284%								
<b>AMOUNT OF ORIGINAL CONTRACT:</b>				<b>\$ 2,116,225.25</b>						
PLUS CHANGE ORDER NO. 1:				251,965.00						
PLUS CHANGE ORDER NO. 2:				91,464.40						
<b>AMOUNT OF ADJUSTED CONTRACT:</b>				<b>\$ 2,459,654.65</b>						

Recommended By:

  
Contractor

  
City Engineer



## CHANGE ORDER 3 JUSTIFICATION

### LANDIS AVENUE PHASE ZERO

Change Order #3 contains additional supplemental items that were added on earlier in the project but could not be finalized due to final numbers related to layout. Other non-supplemental items are overages in the projects that are significant in cost and should, therefore, be compensated before the project closeout. A brief explanation of the items in question are as follows:

#### Supplemental Items:

- A. Item S2 – Extra Sanitary Pipe Install, 1068 Landis Ave: This item was added due to an existing sanitary lateral that was backpitched and required additional work in relation to Item S1 Sanitary Sewer Replacement.
- B. Item S3 – Construction Site Layout: Curb and Gutter: This item was added at the project beginning as there were no provisions in the contract documents for the contractor to provide layout for curb and gutter.
- C. Item S4 – Similar to Item S3 for drainage structure layout.
- D. Item S5 – 15" HDPE pipe was added to the project at the end of the drainage installation, as there were substantial conflicts with sanitary lateral clearances. The wall thickness of the HDPE allowed for a design that posed no conflicts. This ultimately resulted in the elimination of 335 LF of 15" RCP.

#### Item Overages:

- A. Item 2.02 – Excavation, Test Pit (If & Where): This item had increased 109.67 CY due to the number of test locations and depths required to verify sanitary lateral elevations to ensure installation of new pipe without conflict.
- B. Item 7.08 – Manhole, 5' Diameter: 1 additional unit was required for routing storm pipe under sanitary lateral conflicts.
- C. Item 11.08 – Traffic Director, Flagger: 138 additional hours were required to direct traffic in locations where traffic control signage was not applicable to the project needs.

See additional documentation for details.











**NEW JERSEY DEPARTMENT OF TRANSPORTATION**  
**Division of Construction and Maintenance**  
**ITEM SUMMARY SHEET**

Item No.  
11.08

Unit Price  
\$76.23/HR

Form DC-70-a 11/91

Route Landis Phase 0	Section (Main-Mrytle)	Other Description	Contract Quantity 150
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Item Description  
TRAFFIC DIRECTOR, FLAGGER

Date	Location	Today	To Date	To Complete	REMARKS
1/5/2021	MULTIPLE LOCATIONS	16	16	134	
1/6/2021	MULTIPLE LOCATIONS	16	32	118	
1/7/2021	MULTIPLE LOCATIONS	16	48	102	
1/8/2021	MULTIPLE LOCATIONS	16	64	86	
1/11/2021	MULTIPLE LOCATIONS	8	72	78	
1/12/2021	MULTIPLE LOCATIONS	8	80	70	
1/13/2021	MULTIPLE LOCATIONS	8	88	62	
1/14/2021	MULTIPLE LOCATIONS	8	96	54	
1/15/2021	MULTIPLE LOCATIONS	8	104	46	
2/4/2021	MULTIPLE LOCATIONS	6	110	40	
3/11/2021	MULTIPLE LOCATIONS	4	114	36	
3/12/2021	MULTIPLE LOCATIONS	4	118	32	
3/13/2021	MULTIPLE LOCATIONS	4	122	28	
3/15/2021	MULTIPLE LOCATIONS	8	130	20	
3/16/2021	MULTIPLE LOCATIONS	16	146	4	
3/19/2021	MULTIPLE LOCATIONS	8	154	-4	
3/22/2021	MULTIPLE LOCATIONS	9	163	-13	
3/23/2021	MULTIPLE LOCATIONS	8	171	-21	
3/24/2021	MULTIPLE LOCATIONS	9	180	-30	
3/25/2021	MULTIPLE LOCATIONS	17	197	-47	
3/26/2021	MULTIPLE LOCATIONS	17	214	-64	
3/29/2021	MULTIPLE LOCATIONS	8	222	-72	
3/30/2021	MULTIPLE LOCATIONS	6	228	-78	
3/31/2021	MULTIPLE LOCATIONS	4	232	-82	
4/1/2021	MULTIPLE LOCATIONS	8	240	-90	
4/6/2021	MULTIPLE LOCATIONS	9	249	-99	
4/7/2021	MULTIPLE LOCATIONS	4	253	-103	
4/16/2021	MULTIPLE LOCATIONS	8	261	-111	
4/19/2021	MULTIPLE LOCATIONS	8	269	-119	
4/20/2021	MULTIPLE LOCATIONS	10	279	-129	
4/21/2021	MULTIPLE LOCATIONS	9	288	-138	
Date	C.O. No. and Description	Increases	Decreases	Adjusted To Complete	Adjusted Contract Quantity

## Caudill Rickie

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**From:** Charles Marandino LLC <cmlc@comcast.net>  
**Sent:** Thursday, December 3, 2020 11:15 AM  
**To:** Caudill Rickie  
**Subject:** RE: Landis Avenue Phase 0 - Closure East to Main

Scott gave me the wrong address yesterday. The correct address is 1068 Landis Ave. Per the agreement with Anthony Tobolski, \$1000.00 to install extra pipe at this address.

### **Charles Marandino**

Charles Marandino, LLC  
(P) 856-691-9963  
(F) 856-691-5195

On 11/23/2020 4:32 PM Caudill Rickie <rcaudill@vinelandcity.org> wrote:

Gary,

Attached is the traffic control plans for Landis that are essentially combined. I strongly believe we will need at least one to two traffic directors the days this combined closure takes place. There is a senior high rise and senior apartment complex, a funeral home, a bank, a one-way access road from Landis (Howard Street), and the library all within the East to Valley closure. With the amount of traffic trying to access properties within these limits, Maussner should coordinate their lateral replacements to stay on one side of the road.

**From:** Gary Giglio <gtg102@comcast.net>  
**Sent:** Thursday, November 19, 2020 4:59 PM  
**To:** Caudill Rickie <rcaudill@vinelandcity.org>  
**Subject:** RE: Landis Avenue Phase 0 - Closure East to Main

*Gary Giglio*

**Charles Marandino LLC**

(856) 691-9963

On 11/19/2020 4:41 PM Caudill Rickie <rcaudill@vinelandcity.org> wrote:









Landis Avenue Phase 0  
Concrete Field Quantities

7/6/2021

FROM MYRTLE STREET TO MAIN ROAD - NORTH SIDE OF LANDIS AVENUE

#	4" SW	6" SW/DW	Curb	Gutter	Rocker Gutter
1	10.74 LF * 5.20 LF = 55.85 SF Bus Pad in front of 1010	24.20 LF * 10.00 LF = 242.00 SF School parking lot SW/DW	16.00 LF at NW corner along Ewan	16.00 LF * 1.50 LF = 24.00 SF at NW Corner along Ewan	
2	316.00 LF * 6.00 LF = 1896.00 SF Myrtle to Ewan sidewalk	18.50 LF * 11.40 LF = 210.90 SF 1010 SW/DW	358.70 LF Myrtle to Ewan	358.70 LF * 1.50 LF = 538.05 SF Myrtle to Ewan	
3	4.21 LF * 7.93 LF = 33.39 SF ADA ramp Ewan at NW corner				
4	8.00 LF * 4.00 LF = 32.00 SF SW along Ewan at NW corner				
5					
6	8.40 LF * 4.00 LF = 33.60 SF SW along Ewan at NE corner	32.27 LF * 11.30 LF = 364.65 SF 1024 SW/DW	17.00 LF at NE corner along Ewan	17.00 LF * 1.50 LF = 25.50 SF at NE Corner along Ewan	
7	4.40 LF * 8.40 LF = 36.96 SF ADA ramp Ewan at NE corner		21.00 LF at NW corner along State	21.00 LF * 1.50 LF = 31.50 SF at NW Corner along State	
8	205.00 LF * 6.00 LF = 1230.00 SF Ewan to State sidewalk		237.27 LF Ewan to State	237.27 LF * 1.50 LF = 355.91 SF Ewan to State	
9	7.77 LF * 4.00 LF = 31.08 SF SW along State at NW corner				
10	3.25 LF * 8.70 LF = 28.28 SF ADA ramp State at NW corner				
11					
12	3.00 LF * 6.90 LF = 20.70 SF ADA ramp State at NE corner	27.35 LF * 15.35 LF = 419.82 SF 1032 (Landis Terr Apts) SW/DW	34.00 LF at NE corner along State	34.00 LF * 1.50 LF = 51.00 SF at NE Corner along State	
13	24.20 LF * 4.00 LF = 96.80 SF SW along State at NE corner	32.30 LF * 19.30 LF = 623.39 SF 1040 (Towers) SW/DW	20.10 LF Curb piece into Landis Terr Apts	20.00 LF * 1.50 LF = 30.00 SF at NW Corner along Temple	
14	5.45 LF * 20.10 LF = 109.55 SF SW piece into Landis Terr Apts	11.70 LF * 23.00 LF = 269.10 SF 1050 SW/DW #1	20.00 LF at NW corner along Temple	1045.65 LF * 1.50 LF = 1568.48 SF State to Temple	
15	8.45 LF * 8.23 LF = 69.54 SF ADA ramp across Howard	13.00 LF * 26.16 LF = 340.08 SF 1050 SW/DW #2	1045.65 LF State to Temple		
16	9.63 LF * 9.23 LF = 88.88 SF Bus pad near 1040 (Towers)	35.30 LF * 15.74 LF = 555.62 SF 1058 (Library) SW/DW			
17	926.00 LF * 6.00 LF = 5556.00 SF State to Temple sidewalk				
18	4.20 LF * 6.75 LF = 28.35 SF ADA ramp Temple at NW corner				
19					
20	3.80 LF * 6.85 LF = 26.03 SF ADA ramp Temple at NE corner	12.75 LF * 15.55 LF = 198.26 SF 1068 SW/DW	23.20 LF at NE corner along Temple	23.20 LF * 1.50 LF = 34.80 SF at NE corner along Temple	
21	9.83 LF * 7.35 LF = 72.25 SF ADA along Landis at Valley NW	13.00 LF * 15.70 LF = 204.10 SF 1074 SW/DW	23.90 LF at NW corner along Valley	23.90 LF * 1.50 LF = 35.85 SF at NW corner along Valley	
22	325.00 LF * 6.00 LF = 1950.00 SF Temple to Valley sidewalk	26.23 LF * 15.74 LF = 412.86 SF 1080 SW/DW	376.98 LF Temple to Valley	376.98 LF * 1.50 LF = 565.47 SF Temple to Valley	
23	2.94 LF * 8.05 LF = 23.67 SF ADA ramp Valley at NW corner		-12.45 LF Grates - x3	-12.45 LF * 1.50 LF = -18.68 SF Grates - x3	
24	9.23 LF * 4.82 LF = 44.49 SF SW along Valley at NW corner				
25					
26	23.00 LF * 4.00 LF = 92.00 SF SW along Valley at NE corner	25.25 LF * 15.35 LF = 387.59 SF 1100 SW/DW	23.00 LF at NE corner along Valley	23.00 LF * 1.50 LF = 34.50 SF at NE corner along Valley	36.80 LF * 4.00 LF = 147.20 SF Rocker Gutter at Victory
27	4.00 LF * 7.83 LF = 31.32 SF ADA ramp Valley at NE corner	15.30 LF * 15.27 LF = 233.63 SF 1106 SW/DW	21.80 LF at NW corner along Victory	21.80 LF * 1.50 LF = 32.70 SF at NW corner along Victory	
28	7.10 LF * 5.35 LF = 37.99 SF ADA along Landis at Valley NE	16.95 LF * 15.30 LF = 259.34 SF 1108 SW/DW	395.40 LF Valley to Victory	395.40 LF * 1.50 LF = 593.10 SF Valley to Victory	
29	9.35 LF * 12.03 LF = 112.48 SF Bus pad at NE corner Valley	13.90 LF * 15.20 LF = 211.28 SF 1110 SW/DW	-4.15 LF Grates - x1	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
30	324.00 LF * 6.00 LF = 1944.00 SF Valley to Victory sidewalk				
31	12.70 LF * 4.82 LF = 61.21 SF SW along Victory at NW corner				
32	3.50 LF * 7.50 LF = 26.25 SF ADA ramp Victory at NW corner				
33					
34	3.00 LF * 7.30 LF = 21.90 SF ADA ramp Victory at NE corner	14.15 LF * 15.45 LF = 218.62 SF 1122 SW/DW	17.11 LF at NE corner along Victory	17.11 LF * 1.50 LF = 25.67 SF at NE corner along Victory	45.00 LF * 4.03 LF = 181.35 SF Rocker Gutter at Northwood
35	13.29 LF * 4.93 LF = 65.52 SF SW along Victory at NE corner		23.10 LF at NW corner along Northwood	23.10 LF * 1.50 LF = 34.65 SF at NW corner along Northwood	
36	397.00 LF * 6.00 LF = 2382.00 SF Victory to Northwood sidewalk		411.15 LF Victory to Northwood	411.15 LF * 1.50 LF = 616.73 SF Victory to Northwood	
37	9.80 LF * 5.00 LF = 49.00 SF SW along Northwood NW corner		-4.15 LF Grates - x1	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
38	6.10 LF * 8.25 LF = 50.33 SF ADA Northwood NW corner				
39					
40	5.83 LF * 7.45 LF = 43.43 SF ADA Northwood at NE corner	16.10 LF * 15.20 LF = 244.72 SF 1138 SW/DW	36.00 LF at NE corner along Northwood	36.00 LF * 1.50 LF = 54.00 SF at NE corner along Northwood	37.50 LF * 4.00 LF = 150.00 SF Rocker Gutter at Elmwood
41	10.00 LF * 4.85 LF = 48.50 SF SW along Northwood NE corner	13.25 LF * 15.44 LF = 204.58 SF 1140 SW/DW	28.90 LF at NW corner along Elmwood	28.90 LF * 1.50 LF = 43.35 SF at NW corner along Elmwood	
42	317.00 LF * 6.00 LF = 1902.00 SF Northwood to Elmwood SW	14.20 LF * 15.14 LF = 214.99 SF 1142 SW/DW	373.45 LF Northwood to Elmwood	373.45 LF * 1.50 LF = 560.18 SF Northwood to Elmwood	
43	3.38 LF * 8.63 LF = 29.17 SF ADA ramp Elmwood NW corner	12.90 LF * 15.39 LF = 198.53 SF 1146 SW/DW	-4.15 LF Grates - x1	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
44	14.90 LF * 4.92 LF = 73.31 SF SW along Elmwood NW corner				
45					
46	3.75 LF * 7.30 LF = 27.38 SF ADA ramp Elmwood NE corner	14.27 LF * 15.60 LF = 222.61 SF 1156 SW/DW	28.50 LF at NE corner along Elmwood	28.50 LF * 1.50 LF = 42.75 SF at NE corner along Elmwood	46 LF * 3.95 LF = 181.70 SF Rocker Gutter at Lasalle
47	11.30 LF * 4.92 LF = 55.60 SF SW along Elmwood NE corner	13.00 LF * 15.75 LF = 204.75 SF 1158 SW/DW	37.40 LF at NW corner along Lasalle	37.40 LF * 1.50 LF = 56.10 SF at NW corner along Lasalle	
48	379.00 LF * 6.00 LF = 2274.00 SF Elmwood to Lasalle SW	26.45 LF * 15.75 LF = 416.59 SF 1160 SW/DW	487.87 LF Elmwood to Lasalle	487.87 LF * 1.50 LF = 731.81 SF Elmwood to Lasalle	
49	4.10 LF * 23.90 LF = 97.99 SF SW along Lasalle NW corner	32.00 LF * 15.58 LF = 498.56 SF 1164 SW/DW #1	-8.30 LF Grates - x2	-8.30 LF * 1.50 LF = -12.45 SF Grates - x2	
50	3.90 LF * 11.50 LF = 44.85 SF ADA ramp Lasalle NW corner	23.15 LF * 15.67 LF = 362.76 SF 1164 SW/DW #2			
51					
52	3.65 LF * 8.20 LF = 29.93 SF ADA ramp Lasalle NE corner	19.85 LF * 19.92 LF = 395.41 SF 1184 SW/DW #1	34.00 LF at NE corner along Lasalle	34.00 LF * 1.50 LF = 51.00 SF at NE corner along Lasalle	
53	5.02 LF * 18.60 LF = 93.37 SF SW along Lasalle NE corner	16.45 LF * 19.35 LF = 318.31 SF 1184 SW/DW #2	100.00 LF at 1184 DW #1 & #2 into property	266.30 LF * 1.50 LF = 399.45 SF Lasalle to Main	
54	9.31 LF * 11.90 LF = 110.79 SF Bus Pad east of Lasalle		266.30 LF Lasalle to Main	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
55	230.00 LF * 6.00 LF = 1380.00 SF Lasalle to Main SW		-4.15 LF Grates - x1		
56					

22547.71 SF	Total SF for 4" SW, north side	8433.05 SF	Total SF for 4" SW, north side	6480.50 SF	Total SF for Gutter, north side	660.25 SF	Total SF Rocker Gutter, north side
2505.30 SY	Total SY for 4" SW, north side	937.01 SY	Total SY for 4" SW, north side	4440.43 LF	Total LF for curb, north side	720.06 SY	Total SY for Gutter, north side
						793.42 SY	Total SY for G/RG, north side



Landis Avenue Phase 0  
Concrete Field Quantities

FROM MYRTLE STREET TO MAIN ROAD - SOUTH SIDE OF LANDIS AVENUE

#	4" SW	6" SW/DW	Curb	Gutter	Rocker Gutter
57	4.59 LF * 4.00 LF = 18.36 SF SW piece into 1005	32.50 LF * 11.70 LF = 380.25 SF 1005 SW/DW	12.30 LF Initial curb piece near Myrtle	12.30 LF * 2.30 LF = 28.29 SF Initial gutter piece near Myrtle	54.3 LF * 4.03 LF = 218.83 SF Rocker Gutter at Arcadia
58	5.75 LF * 6.10 LF = 35.08 SF SW return at 1005		4.25 LF Curb piece into 1005	23.00 LF * 1.50 LF = 34.50 SF at SW corner along Arcadia	
59	214.30 LF * 6.00 LF = 1285.80 SF Myrtle to Arcadia SW		4.30 LF Curb piece into 1005	246.80 LF * 1.50 LF = 370.20 SF Myrtle to Arcadia	
60	6.00 LF * 7.30 LF = 43.80 SF ADA ramp Arcadia SW corner		23.00 LF at SW corner along Arcadia		
61	5.40 LF * 6.10 LF = 32.94 SF SW along Arcadia SW corner		246.80 LF Myrtle to Arcadia		
62	4.05 LF * 9.10 LF = 36.86 SF SW along Arcadia SW corner				
63					
64	4.20 LF * 3.95 LF = 16.59 SF SW along Arcadia SE corner	27.00 LF * 11.50 LF = 310.50 SF 1017 SW/DW	21.40 LF at SE corner along Arcadia	21.40 LF * 1.50 LF = 32.10 SF at SE corner along Arcadia	49.9 LF * 4.07 LF = 203.09 SF Rocker Gutter at State
65	3.82 LF * 4.44 LF = 16.96 SF SW along Arcadia SE corner	28.60 LF * 11.55 LF = 330.33 SF 1019 SW/DW	23.50 LF at SW corner along State	23.50 LF * 1.50 LF = 35.25 SF at SW corner along State	
66	6.90 LF * 7.95 LF = 54.86 SF ADA ramp Arcadia SE corner		255.60 LF Arcadia to State	255.60 LF * 1.50 LF = 383.40 SF Arcadia to State	
67	5.70 LF * 8.00 LF = 45.60 SF Bus pad in front of 1013				
68	200.00 LF * 6.00 LF = 1200.00 SF Arcadia to State SW				
69	5.00 LF * 7.20 LF = 36.00 SF ADA ramp State SW corner				
70	4.30 LF * 11.73 LF = 50.44 SF SW along State SW corner				
71					
72	4.35 LF * 7.60 LF = 33.06 SF ADA ramp State SE corner	17.55 LF * 12.73 LF = 223.41 SF 1029 SW/DW #1	17.00 LF at SE corner along State	22.00 LF * 1.50 LF = 33.00 SF at SE corner along State	
73	4.10 LF * 13.70 LF = 56.17 SF SW along State SE corner	25.50 LF * 15.47 LF = 394.49 SF 1029 SW/DW #2	25.40 LF at SW corner along Howard	25.40 LF * 1.50 LF = 38.10 SF at SW corner along Howard	
74	4.80 LF * 9.99 LF = 47.95 SF SW piece into 1029	25.80 LF * 15.85 LF = 408.93 SF 1035 SW/DW	435.65 LF State to Howard	435.65 LF * 1.50 LF = 653.48 SF State to Howard	
75	352.00 LF * 6.00 LF = 2112.00 SF State to Howard SW	14.80 LF * 15.80 LF = 233.84 SF 1039 SW/DW			
76	4.00 LF * 12.39 LF = 49.56 SF SW along Howard SW corner				
77	3.45 LF * 6.90 LF = 23.81 SF ADA ramp Howard SW corner				
78					
79	8.30 LF * 4.05 LF = 33.62 SF SW along Howard SE corner	17.20 LF * 15.95 LF = 274.34 SF 1051 SW/DW	25.00 LF at SE corner along Howard	25.00 LF * 1.50 LF = 37.50 SF at SE corner along Howard	
80	8.13 LF * 6.35 LF = 51.63 SF ADA ramp Howard SE corner	17.35 LF * 15.85 LF = 275.00 SF 1055 SW/DW	26.00 LF at SW corner along Columbia	26.00 LF * 1.50 LF = 39.00 SF at SW corner along Columbia	
81	9.77 LF * 7.50 LF = 73.28 SF ADA along Landis midblock		367.55 LF Howard to Columbia	367.55 LF * 1.50 LF = 551.33 SF Howard to Columbia	
82	9.88 LF * 8.12 LF = 80.23 SF Bus pad in front of 1045		-4.15 LF Grates - x1	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
83	333.00 LF * 6.00 LF = 1998.00 SF Howard to Columbia SW				
84	10.03 LF * 4.95 LF = 49.65 SF SW along Columbia SW corner				
85	6.92 LF * 7.70 LF = 53.28 SF ADA ramp Columbia SW corner				
86					
87	7.10 LF * 7.55 LF = 53.61 SF ADA ramp Columbia SE corner	19.60 LF * 16.10 LF = 315.56 SF 1065/1067 SW/DW	35.00 LF at SE corner along Columbia	35.00 LF * 1.50 LF = 52.50 SF at SE corner along Columbia	
88	10.00 LF * 5.00 LF = 50.00 SF SW along Columbia SE corner	21.00 LF * 16.00 LF = 336.00 SF 1071 SW/DW	29.00 LF at SW corner along Dshibe	29.00 LF * 1.50 LF = 43.50 SF at SW corner along Dshibe	
89	282.00 LF * 6.00 LF = 1692.00 SF Columbia to Dshibe SW		322.60 LF Columbia to Dshibe	322.60 LF * 1.50 LF = 483.90 SF Columbia to Dshibe	
90	4.00 LF * 8.44 LF = 33.76 SF SW along Dshibe SW corner		-8.30 LF Grates - x2	-8.30 LF * 1.50 LF = -12.45 SF Grates - x2	
91	5.23 LF * 7.85 LF = 41.06 SF ADA ramp Dshibe SW corner				
92					
93	5.25 LF * 6.95 LF = 36.49 SF ADA ramp Dshibe SE corner	23.25 LF * 16.00 LF = 372.00 SF 1081 SW/DW	26.00 LF at SE corner along Dshibe	26.00 LF * 1.50 LF = 39.00 SF at SE corner along Dshibe	
94	4.05 LF * 8.14 LF = 32.97 SF SW along Dshibe SE corner		51.00 LF at SW corner along Valley	51.00 LF * 1.50 LF = 76.50 SF at SW corner along Valley	
95	9.43 LF * 12.03 LF = 113.44 SF Bus pad in front of 1089		287.25 LF Dshibe to Valley	287.25 LF * 1.50 LF = 430.88 SF Dshibe to Valley	
96	264.00 LF * 6.00 LF = 1584.00 SF Dshibe to Valley SW		-4.15 LF Grates - x1	-4.15 LF * 1.50 LF = -6.23 SF Grates - x1	
97	10.00 LF * 8.00 LF = 80.00 SF ADA along Landis at SW Valley				
98	4.30 LF * 36.80 LF = 158.24 SF SW along Valley SW corner				
99	3.68 LF * 7.35 LF = 27.05 SF ADA ramp Valley SW corner				
100					
101	8.60 LF * 4.00 LF = 34.40 SF ADA ramp Valley SE corner	16.35 LF * 15.27 LF = 249.66 SF 1107 DW/DW	50.00 LF at SE corner Valley	50.00 LF * 1.50 LF = 75.00 SF at SE corner Valley	36 LF * 4.05 LF = 145.80 SF Rocker Gutter at Vassar
102	4.30 LF * 35.00 LF = 150.50 SF SW along Valley SE corner		24.00 LF at SW corner Vassar	24.00 LF * 1.50 LF = 36.00 SF at SW corner Vassar	
103	9.33 LF * 6.63 LF = 61.86 SF ADA along Landis at SE Valley		286.35 LF Valley to Vassar	286.35 LF * 1.50 LF = 429.53 SF Valley to Vassar	
104	270.00 LF * 6.00 LF = 1620.00 SF Valley to Vassar SW				
105	4.30 LF * 4.00 LF = 17.20 SF SW along Vassar at SW corner				
106	3.50 LF * 7.30 LF = 25.55 SF ADA ramp Vassar SW corner				
107					
108	5.00 LF * 8.70 LF = 43.50 SF ADA ramp Vassar SE corner		27.00 LF at SE corner Vassar	27.00 LF * 1.50 LF = 40.50 SF at SE corner Vassar	36 LF * 4 LF = 144.00 SF Rocker Gutter at Evelyn
109	4.00 LF * 4.00 LF = 16.00 SF SW along Vassar at SE corner		26.00 LF at SW corner Evelyn	26.00 LF * 1.50 LF = 39.00 SF at SW corner Evelyn	
110	289.00 LF * 6.00 LF = 1734.00 SF Vassar to Evelyn SW		289.00 LF Vassar to Evelyn	289.00 LF * 1.50 LF = 433.50 SF Vassar to Evelyn	
111	10.00 LF * 4.00 LF = 40.00 SF SW along Evelyn at SW corner				
112	4.80 LF * 7.60 LF = 36.48 SF ADA ramp Evelyn SW corner				
113					
114	3.90 LF * 7.80 LF = 30.42 SF ADA ramp Evelyn SE corner	14.00 LF * 16.05 LF = 224.70 SF 1131 SW/DW	29.00 LF at SE corner Evelyn	29.00 LF * 1.50 LF = 43.50 SF at SE corner Evelyn	37 LF * 3.85 LF = 142.45 SF Rocker Gutter at Glenn
115	10.90 LF * 4.00 LF = 43.60 SF SW along Evelyn at SE corner	19.75 LF * 16.34 LF = 322.72 SF 1133 SW/DW	27.00 LF at SW corner Glenn	27.00 LF * 1.50 LF = 40.50 SF at SW corner Glenn	
116	282.00 LF * 6.00 LF = 1692.00 SF Evelyn to Glenn SW		315.75 LF Evelyn to Glenn	315.75 LF * 1.50 LF = 473.63 SF Evelyn to Glenn	
117	16.00 LF * 4.00 LF = 64.00 SF SW along Glenn at SW corner		-12.45 LF Grates - x3	-12.45 LF * 1.50 LF = -18.68 SF Grates - x3	
118	5.00 LF * 8.00 LF = 40.00 SF ADA ramp Glenn at SW corner				
119					
120	11.90 LF * 7.94 LF = 94.49 SF Bus pad in front of 1179	16.55 LF * 16.32 LF = 270.10 SF 1145 SW/DW	20.00 LF at SE corner Glenn	23.00 LF * 1.50 LF = 34.50 SF at SE corner Glenn	
121	937.00 LF * 6.00 LF = 5622.00 SF Glenn to Main SW	17.50 LF * 16.45 LF = 287.88 SF 1155 SW/DW #1	1163.20 LF Glenn to Main	1163.20 LF * 1.50 LF = 1744.80 SF Glenn to Main	
122		20.10 LF * 16.45 LF = 330.65 SF 1155 SW/DW #2	-12.45 LF Grates - x3	-12.45 LF * 1.50 LF = -18.68 SF Grates - x3	
123		27.60 LF * 16.45 LF = 454.02 SF 1159 SW/DW #1		3.00 LF * 1.50 LF = 4.50 SF	
124		29.20 LF * 16.40 LF = 478.88 SF 1159 SW/DW #2			
125		37.20 LF * 16.30 LF = 606.36 SF 1167 SW/DW			
126		13.35 LF * 16.50 LF = 220.28 SF 1171 SW/DW			
127		26.90 LF * 12.40 LF = 333.56 SF 1173 SW/DW			

Landis Avenue Phase 0  
Concrete Field Quantities

#	4" SW	6" SW/DW	Curb	Gutter	Rocker Gutter
128		32.80 LF * 15.35 LF = 503.48 SF			
129		5.00 LF * 1.45 LF = 7.25 SF			
130		1179 SW/DW 1181 SW/DW			

22804.10	SF	Total SF for 4" SW, south side	8144.16	SF	Total SF for 4" SW, south side	6695.12	SF	Total SF for Gutter, south side	854.17	SF	Total SF Rocker Gutter, south side
2533.79	SY	Total SY for 4" SW, south side	904.91	SY	Total SY for 4" SW, south side	4454.40	LF	Total LF for curb, south side	743.90	SY	Total SY for Gutter, south side
5039.09	SY	TOTAL SY for 4" SW	1841.91	SY	TOTAL SY for 6" SW/DW	8894.83	LF	Total LF for Curb	838.81	SY	Total SY for G/RG, south side
									1632.23	SY	TOTAL SY for G/RG
									94.91	SY	Total SY for Gutter, south side