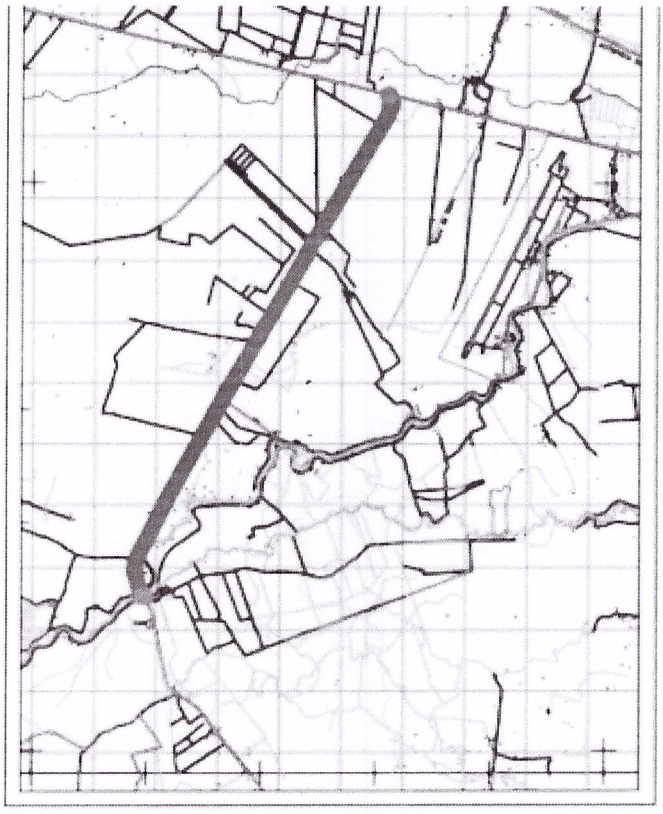
Firmado electrónicamente por:
JORGE RAUL CARRILLO TUTIVEN

GOBIERNO AUTÓNOMO DESCENTRALIZADO PROVINCIAL DEL GUAYAS

DIRECCIÓN DE ESTUDIOS Y PROYECTOS

ESTUDIO DE DISEÑO GEOMÉTRICO

"REHABILITACIÓN Y ASFALTADO DE LA VIA COMPRENDIDA DESDE EL KM 20 DE LA VIA DURAN-TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTON DURAN, PROVINCIA DEL GUAYAS"



MARZO 2021

Contenido

1 INTRODUCCIÓN. 3
2 UBICACIÓN. 3
3 SECCION TIPICA. 4
4 CLASIFICACIÓN DE LA VIA 4
5 CRITERIOS DE DISEÑO. 4
6 NORMAS DE DISEÑO GEOMETRICO. 5
6.1 Velocidad de diseño. 5
6.2 Radio mínimo de curvatura horizontal 6
6.3 Peralte 6
6.4 Diseño Altimétrico. 8
6.5 Pendiente Longitudinal 8
6.6 Gradiente Máxima. 8
6.7 Gradiente Mínima 8
6.8 Curvas Verticales. 9
6.8.1 Curvas Verticales Convexas. 9
6.8.2 Curvas Verticales Cóncavas. 9
7 SECCIÓN TRANSVERSAL 10
8 CALCULO DE VOLUMEN 11
9 CONCLUSIONES. 11
10 ANEXOS. 11

INDICE DE FIGURAS

Figura 2.1.Mapa de ubicación del camino Km 20 (Durán-Boliche) - Taura 3
Figura 3.1. Sección tipo de la vía. 4
Figura 6.1. Valores de pendientes longitudinales máximas. 8
Figura 7.1. Sección transversal tipo. 10

Prefectura del Guayas,
General Juan Illingworth 108, Guayaquil 090313.
Contacto:
(593-04) 2511-677
www.guayas.gob.ec

1 INTRODUCCIÓN.

El Gobierno Provincial del Guayas dentro de sus competencias, tiene la Planificación, construcción y mantenimiento de la red vial del territorio jurisdiccional adscrito a la provincia del Guayas que contempla los caminos en los sectores rurales, para mejorar las condiciones socioeconómicas de los poblados y sus habitantes.

Entre los proyectos a planificar por el Gobierno Provincial se encuentra la **REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS,** que conlleva a una mejor calidad de vida de una forma integral, rehabilitando una arteria vial importante para la Provincia.

2 UBICACIÓN.

La vía empieza en el Km 20 de la vía Durán – Tambo en un acceso ubicado a lado derecho, pasando por varios poblados, finalizando en el límite cantonal de la Parroquia Taura con una longitud de 9.386 Km aproximadamente como se especifica en el siguiente cuadro de coordenadas:

	COORDENADAS	
DESCRIPCIÓN	**ESTE**	**NORTE**
KM 20 (Durán – Tambo)	644755.228	9752665.319
Parroquia Taura	640757.779	9744552.252

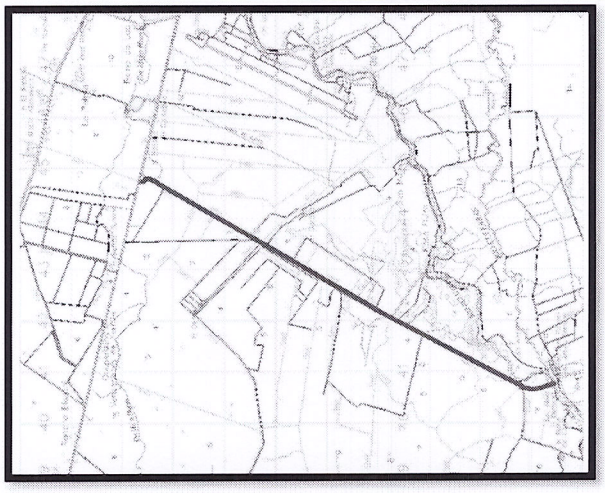


Figura 2.1.Mapa de ubicación del camino Coop. Río Verde -Santa Sofía
Fuente: Carta topográfica IGM.

3 SECCION TIPICA.

La sección transversal de la carretera está compuesta por la calzada y espaldones, como se muestra en la Figura 3.1.

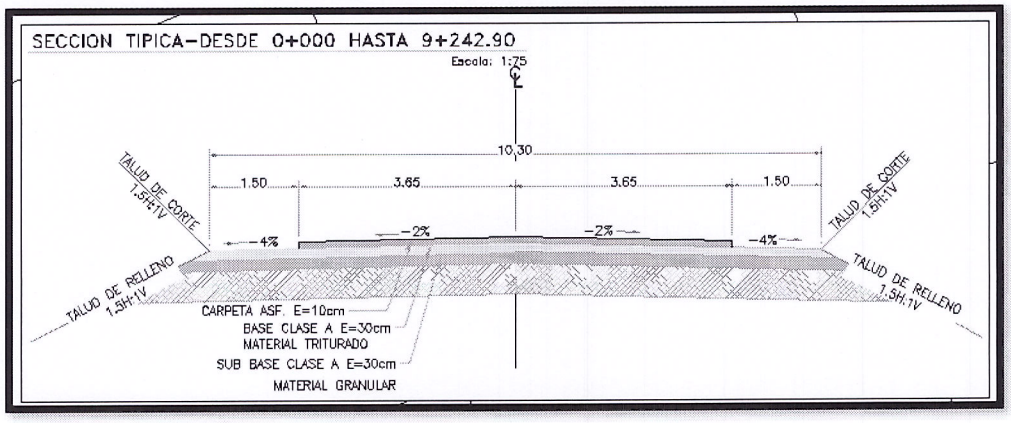


Figura 3.1. Sección tipo vía Km 20 (Durán – Tambo) - Taura

4 CLASIFICACIÓN DE LA VIA.

De acuerdo al estudio de tráfico la clasificación de la vía Km 20 – Taura corresponde a una carretera CLASE I (Absolutas), por cuanto su TPDA se encuentra en el rango de 3000 a 8000 vehículos proyectados. De acuerdo a los valores de diseño recomendados para carreteras de dos carriles y caminos vecinales, el Ministerio de Obras Públicas recomienda:

- Clasificación de la vía — Clase I MTOP
- Terreno — Llano
- Velocidad de diseño — 100 Km/h
- Ancho de pavimento — 7.30 m
- Ancho de espaldones — 2.50 m (se optó por espaldones de 1.50 m)

5 CRITERIOS DE DISEÑO.

De acuerdo a las normas de diseño geométrico de carreteras publicado por el Ministerio de Obras Públicas del Ecuador del año 2003 se deben considerar los siguientes criterios:

El proyecto es una vía de clase I, descrita por el estudio de tráfico, lo cual la norma MOTP 2003, especifica los valores de diseño recomendado y absoluta para carretera de dos carriles; la norma recomienda espaldones de 2.50m para vías de primer orden en terreno llano;

en el diseño se optó tomar la medida de 1.50m para los espaldones sin dejar de considerar la seguridad de los usuarios; del mismo modo los espaldones obedecen a un talud de 1.50 a 1.00 por los canales existentes a cada lado del proyecto los cuales han venido funcionando con la vía existente sin ningún problema; los valores recomendados en las normas no se los puede aplicar ya que el volumen de relleno se incrementaría al ingresar a los canales con los talud, incrementando el presupuesto en gran magnitud.

En general se debe combinar curvas amplias con tangentes largas en la medida que permite el terreno. Debe evitarse un alineamiento horizontal zigzagueante con curvas cortas. El trazado existente ayudó a que le proyecto en su mayor parte tenga un trazado recto con pocas curvas horizontales.

Generalmente se debe realizar curvas de grandes radios, evitando los mínimos especificados para las velocidades de diseño y reservándolos radios menores para los casos de condiciones críticas. El alineamiento debe ser direccional en lo posible, de acuerdo con la topografía existente.

Deben evitarse curvas de radios pequeños sobre rellenos de altura y longitud grandes. Pero se puede adoptar una gradiente longitudinal de 0% en relleno de 1 a 6 metros de altura.

6 NORMAS DE DISEÑO GEOMETRICO.

Los parámetros de diseño geométrico de carretera están normados por el MOP 2003, con el objeto de garantizar confort y seguridad, los parámetros utilizados en este proyecto son la siguiente:

6.1 Velocidad de diseño.

La velocidad adoptada para el diseño es la velocidad máxima a la cual los vehículos pueden circular con seguridad sobre un camino cuando las condiciones atmosféricas y del tránsito son favorables.

Esta velocidad se elige en función de las condiciones físicas y topográficas del terreno, de la importancia del camino, los volúmenes del tránsito y uso de la tierra, tratando de que su valor sea el máximo compatible con la seguridad, eficiencia, desplazamiento y movilidad de los vehículos. Con esta velocidad se calculan los elementos geométricos de la vía para su alineamiento horizontal y vertical.

Para este proyecto se escogió la velocidad de diseño, en base de la condición topográfica, estudio de tránsito e importancia de la vía, donde de la tabla de diseño recomendable de la norma MTOP 2003, se decide tomar la velocidad recomendable de una vía clase I, que es de **100 Km/h.**

6.2 Radio mínimo de curvatura horizontal.

El radio mínimo de la curvatura horizontal es el valor más bajo que posibilita la seguridad en el tránsito a una velocidad de diseño dada en función del máximo peralte (e) adoptado y el coeficiente (f) de fricción lateral correspondiente.

El empleo de curvas con Radios menores al mínimo establecido exigirá peraltes que sobrepasen los límites prácticos de operación de vehículos. Por lo tanto, la curvatura constituye un valor significante en el diseño del alineamiento.

El radio mínimo (**R**) en condiciones de seguridad puede calcularse según la siguiente fórmula:

$$R = \frac{V^2}{127\,(e+f)}$$

Donde:

R = Radio mínimo de una curva horizontal, m.
V **=** Velocidad de diseño, Km/h.
f **=** Coeficiente de fricción lateral (0.19-0.000626V).
e **=** Peralte de la curva, m/m (metro por metro ancho de la calzada).

6.3 Peralte.

Cuando un vehículo recorre una trayectoria circular es empujado hacia afuera por efecto de la fuerza centrífuga **"F"**. Esta fuerza es contrarrestada por las fuerzas componentes del peso **(P)** del vehículo, debido al peralte, y por la fuerza de fricción desarrollada entre llantas y la calzada.

La fórmula que relaciona el peralte, la fuerza de fricción, la velocidad de diseño y el radio de curvatura es la siguiente:

$$e = \frac{V^2}{127R} - f$$

Dónde:

R = Radio de una curva horizontal, m.
V **=** Velocidad de diseño, Km/h.
f **=** Coeficiente de fricción lateral (0.19-0.000626V).
e **=** Peralte de la curva, m/m (metro por metro ancho de la calzada).

Magnitud del Peralte. El uso del peralte provee comodidad y seguridad al vehículo que transita

Prefectura del Guayas,
General Juan Illingworth 108, Guayaquil 090313.
Contacto:
(593-04) 2511-677
www.guayas.gob.ec

sobre el camino en curvas horizontales, sin embargo, el valor del peralte no debe sobrepasar ciertos valores máximos ya que un peralte exagerado puede provocar el deslizamiento del vehículo hacia el interior de la curva cuando el mismo circula a baja velocidad.

Debido a estas limitaciones de orden práctico, no es posible compensar totalmente con el peralte la acción de la fuerza centrífuga en las curvas pronunciadas, siendo necesario recurrir a la fricción, para que sumado al efecto del peralte, impida el deslizamiento lateral del vehículo, lo cual se lo contrarresta al aumentar el rozamiento lateral.

En base a investigaciones realizadas, se ha adoptado el criterio de contrarrestar con el peralte aproximadamente el 55% de la fuerza centrífuga; el restante 45% lo absorbe la fricción lateral.

Desarrollo del peralte: Cada vez que se pasa de una alineación recta a una curva, se tiene que realizar una transición de una sección transversal, de un estado de sección normal al estado de sección completamente peraltada o viceversa, en una longitud necesaria para efectuar el desarrollo del peralte.

En Curvas circulares, la longitud de transición del peralte se distribuye 1/3 en la curva y 2/3 en la tangente. En curvas con espirales el peralte se lo desarrolla a todo lo largo de la longitud de la espiral.

Se calcula la longitud "L" de desarrollo del peralte en función de la gradiente de borde "i", cuyo valor se obtiene en función de la velocidad de diseño.

El objeto del sobre ancho en la curva horizontal es el de posibilitar el tránsito de vehículos con seguridad y comodidad, es necesario introducir los sobres anchos por las siguientes razones:

- El vehículo al describir la curva, ocupa un ancho mayor ya que generalmente las ruedas traseras recorren una trayectoria ubicada en el interior de la descrita por las ruedas delanteras, además el extremo lateral delantero, describe una trayectoria exterior a la del vehículo.
- La dificultad que experimentan los conductores para mantenerse en el centro de su carril debido a la menor facilidad para apreciar la posición relativa de su vehículo dentro de la curva. Esta dificultad aumenta con la velocidad, pero disminuye a medida que los radios de la curva son mayores. Para el caso si el vehículo describe una curva, marchando a muy pequeña Velocidad, el sobreancho se podría calcular geométricamente, ya que su eje posterior es radial.

Para el cálculo de sobreancho se introduce un término de seguridad donde interviene la velocidad y radio de la curva.

$$S = \frac{V}{10\sqrt{R}} + (R - \sqrt{R^2 - L^2})$$

S = Valor de sobreancho, metros.
R = Radio de la curva circular, metros.
L = Longitud entre la parte frontal y el eje posterior del vehículo de diseño, metros.
V = Velocidad de diseño, Km/hora.

6.4 Diseño Altimétrico.

El perfil vertical de una carretera es tan importante como el alineamiento horizontal y debe estar en relación directa con la velocidad de diseño, con las curvas horizontales y con las distancias de visibilidad. En ningún caso se debe sacrificar el perfil vertical para obtener buenos alineamientos horizontales. De ahí la importancia del diseño del perfil, con gradientes adecuadas al tipo de relieve y al tipo y volumen de tráfico a circular por la vía que se diseña.

6.5 Pendiente Longitudinal.

En general, las gradientes a adoptarse dependen directamente de la topografía del terreno y deben tener valores bajos, en lo posible, a fin de permitir razonables velocidades de circulación y facilitar la operación de los vehículos.

6.6 Gradiente Máxima.

Las velocidades de diseño dependen del volumen de tráfico y de la naturaleza de la topografía, como se indica en la Figura 6.1 de la norma MTOP 2003.

VALORES DE DISEÑO DE LAS GRADIENTES LONGITUDINALES MAXIMAS
(Porcentaje)

Clase de Carretera					Valor Recomendable			Valor Absoluto		
					L	O	M	L	O	M
R—Io	R—II	>	8.000	TPDA	2	3	4	3	4	6
1	3.000	a	8.000	TPDA	3	4	6	3	5	7
II	1.000	a	3.000	TPDA	3	4	7	4	6	8
III	300	a	1.000	TPDA	4	6	7	6	7	9
IV	100	a	300	TPDA	5	6	8	6	8	12
V	Menos de		100	TPDA	5	6	8	6	8	14

Figura 6.1. Valores de pendientes longitudinales máximas.

En sujeción a las normas de diseño geométrico, que se basan en el volumen de tráfico y en el tipo de relieve del área del proyecto, la máxima pendiente longitudinal para este proyecto será hasta del 3 %. Lo cual, para el diseño, la máxima pendiente utilizada, está alrededor del 0.70 %.

6.7 Gradiente Mínima.

La gradiente longitudinal mínima usual es de 0,5 por ciento. Se puede adoptar una gradiente de cero (0) por ciento para el caso de rellenos de 1 metro de altura o más y cuando el

pavimento tiene una gradiente transversal adecuada para drenar lateralmente las aguas de lluvia.

6.8 Curvas Verticales.

Las curvas verticales se utilizan para empalmar dos tramos de pendientes constantes determinadas, con el fin de suavizar la transición de una pendiente a otra en el movimiento vertical de los vehículos.

6.8.1 Curvas Verticales Convexas.

La longitud mínima de las curvas verticales se determina en base a los requerimientos de la distancia de visibilidad para detener un vehículo, considerando una altura del ojo del conductor de 1,15 metros y una altura del objeto que se divisa sobre la carretera igual a 0,15 metros. La longitud de la curva es expresada por la siguiente fórmula:

$$Lcv = A * K$$

Dónde:

Lcv = longitud de curva vertical, m.
***A*=** diferencia algebraica de pendiente, m/m.
***K*=** Coeficiente de curva convexa.

6.8.2 Curvas Verticales Cóncavas.

No existe un criterio único respecto de la longitud para el diseño de esta clase de curvas. Existen cuatro criterios diferentes con el fin de establecerla, que son:

- Distancia de visibilidad nocturna, que es el que más se tiene en cuenta
- Comodidad para conducir y para los usuarios
- Control de drenaje
- Apariencia de la vía.

Es decir que, por motivos de seguridad, es necesario que las curvas verticales cóncavas sean lo suficientemente largas, de modo que la longitud de los rayos de luz de los faros de un vehículo sea aproximadamente igual a la distancia de visibilidad necesaria para la parada de un vehículo.

La longitud de la curva dependiendo del tipo de curva, es expresada por la siguiente fórmula.

$$Lcv = A * K$$

Dónde:

Lcv = longitud de curva vertical, m.
***A*=** diferencia algebraica de pendiente, m/m.
***K*=** Coeficiente de curva cóncava.

7 SECCIÓN TRANSVERSAL.

La sección transversal de una carretera está compuesta por la calzada, los espaldones, las cunetas y los taludes laterales.

La ***calzada*** es aquella parte de la sección transversal destinada a la circulación de los vehículos constituida por una o más carriles para uno o dos sentidos. En este caso se utilizará dos carriles uno para cada sentido.

Los espaldones, los cuales sirven de confinamiento lateral de la superficie de rodamiento y eventualmente se pueden utilizar para estacionamiento provisional. Siempre con una pendiente transversal mayor al de la calzada.

Las ***cunetas*** son zanjas, generalmente de forma triangular, construidas lateralmente a la sección.

Los taludes *son* las superficies laterales inclinada, comprendidos entre las cunetas y el terreno natural.

En la Figura 7.1 se detalla la sección típica del proyecto, que consta de una capa de Sub base Clase A de e=30cm, capa de Base clase A de e=30cm y carpeta asfáltica de 10cm de espesor, Especificada en el estudio de pavimento, la cual menciona la utilización de material de relleno igual al existente.

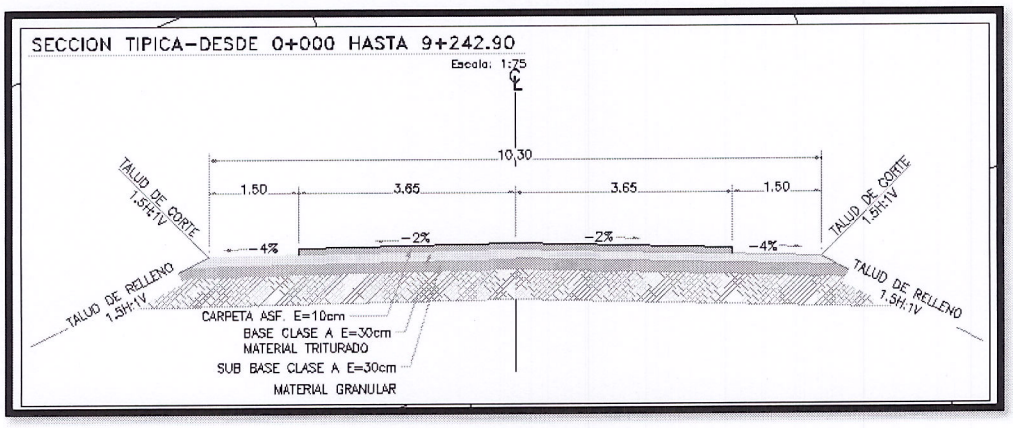


Figura 7.1. Sección transversal tipo.

8 CALCULO DE VOLUMEN.

Una vez que se han calculado las áreas de las secciones transversales, se puede proceder a calcular el volumen correspondiente entre ellas.

El cálculo de los volúmenes para el movimiento de tierra, se lo hallará utilizando las siguientes fórmulas.

$$V_C = (A_{C1} + A_{C2}) * D/2$$

$$V_R = (A_{R1} + A_{R2}) * D/2$$

Donde:

V= volumen en m3
AC= Área de corte.
AR= Área de relleno
D= distancia entre las dos secciones.

9 CONCLUSIONES.

1) La ejecución de este proyecto se realizará en el cantón Durán específicamente el camino de acceso desde el Km 20 (Duran – Boliche) hasta la Parroquia Taura, esto beneficia a las comunidades y a los sectores agrícolas adyacentes, mejorando su calidad de vida y desarrollo comercial.
2) El nuevo trazado del diseño geométrico, en lo posible se ha tratado de conservar el eje actual de la vía, logrando así evitar expropiaciones y afectaciones de estructuras existentes, por tal motivo se establecieron espaldones de 1.50m, puesto que se encuentra dentro del derecho de vía.
3) La vía tiene un ancho de vía de 7.30 metros, espaldones de 1.50 metros, llegando a un ancho de plataforma de 10.30 metros.

10 ANEXOS.

- **1-DISEÑO GEOMETRICO – TAURA**
- **2-SECCIONES TRANSVERSALES-TAURA**
- **3-PERALTADO DE LA VIA**
- **4-SOBREANCHO**

- **5-ELEMENTOS DEL TRAZADO HORIZONTAL**
- **6-ELEMENTOS DEL TRAZADO VERTICAL**
- **7-CANTIDADES DE CARPETA-BASE-SUB BASE**
- **8-TABLA DE VOLUMEN DE CORTE Y RELLENO**
- **9-RESUMEN DE CANTIDADES DE OBRA**
- **10-COORDENADAS REPLANTEO DEL EJE**
- **11-VOLUMENES DE CAJERAS**

Elaborado por:	Aprobado por:	Aprobado por:
Ing. Angel Pincay Bermello	Ing. Washington Villacis.	Ing. Jorge Carrillo.
Analista Senior Vial	**Sub Director de Estudios y Proyectos**	**Director de Estudios Proyectos**

PERALTADO DE LA VIA - TAURA

Superelevation Region	ABSISADO	ESPALDON IZQQUIERDO	CARRIL IZQUIERDO	CENTER LINE	CARRIL DERECHO	ESPALDON DERECHO
	0+000.00m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%
1	-0+027.56m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%
1	-0+011.22m	-4.00%	-2.00%	0.00%	-2.00%	-2.00%
1	0+005.11m	-4.00%	-2.00%	0.00%	0.00%	0.00%
1	0+021.44m	-4.00%	-2.00%	0.00%	2.00%	2.00%
1	0+037.78m	-4.00%	-4.00%	0.00%	4.00%	4.00%
1	0+054.11m	-6.00%	-6.00%	0.00%	6.00%	6.00%
1	0+081.48m	-6.00%	-6.00%	0.00%	6.00%	6.00%
2	0+143.85m	6.00%	6.00%	0.00%	-6.00%	-6.00%
2	0+159.78m	6.00%	6.00%	0.00%	-6.00%	-6.00%
3	0+225.11m	6.00%	6.00%	0.00%	-6.00%	-6.00%
3	0+276.78m	6.00%	6.00%	0.00%	-6.00%	-6.00%
3	0+293.11m	4.00%	4.00%	0.00%	-4.00%	-4.00%
3	0+309.45m	2.00%	2.00%	0.00%	-2.00%	-4.00%
3	0+325.78m	0.00%	0.00%	0.00%	-2.00%	-4.00%
3	0+342.11m	-2.00%	-2.00%	0.00%	-2.00%	-4.00%
3	0+358.45m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%
4	8+544.81m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%
4	8+561.14m	-4.00%	-2.00%	0.00%	-2.00%	-2.00%
4	8+577.48m	-4.00%	-2.00%	0.00%	0.00%	0.00%
4	8+593.81m	-4.00%	-2.00%	0.00%	2.00%	2.00%
4	8+610.14m	-4.00%	-4.00%	0.00%	4.00%	4.00%
4	8+626.48m	-6.00%	-6.00%	0.00%	6.00%	6.00%
4	8+903.18m	-6.00%	-6.00%	0.00%	6.00%	6.00%
4	8+919.51m	-4.00%	-4.00%	0.00%	4.00%	4.00%
4	8+935.84m	-4.00%	-2.00%	0.00%	2.00%	2.00%
4	8+952.18m	-4.00%	-2.00%	0.00%	0.00%	0.00%
4	8+968.51m	-4.00%	-2.00%	0.00%	-2.00%	-2.00%
4	8+984.84m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%
	9+242.90m	-4.00%	-2.00%	0.00%	-2.00%	-4.00%

VALORES DEL SOBREANCHO

$$S = \frac{V}{10\sqrt{R}} + n\left(R - \sqrt{R^2 - L^2}\right)$$

TABLA DE SOBREANCHO					
				SOBREANCHO	
CURVA	VELOCIDAD DE DISEÑO	R (m)	LONG DEL VEH	CALCULADO	REDONDEADO
1	25	45	6	1.176	1.18
2	25	50	6	1.076	1.08
3	100	180	6	0.945	0.95
4	100	275	6	0.734	0.73

ELEMENTOS DEL TRAZADO HORIZONTAL - TAURA

No.	TIPO	LONGITUD(m)	RADIO (m)	VELOC. DISEÑO KM/H	PC	PT	EXTER. (m)	PI	PUNTOS DE INFLEXION PI
1	Line	37.778m		100 km/h	0+000.00m	0+037.78m			
2	Curve	60.039m	45.000m	100 km/h	0+037.78m	0+097.82m	12.279m	0+073.22m	(644725.046m,9752598.612m)
3	Line	29.700m		100 km/h	0+097.82m	0+127.52m			
4	Curve	48.595m	50.000m	100 km/h	0+127.52m	0+176.11m	6.546m	0+153.93m	(644797.284m,9752542.373m)
5	Line	32.667m		100 km/h	0+176.11m	0+208.78m			
6	Curve	84.335m	180.000m	100 km/h	0+208.78m	0+293.11m	5.055m	0+251.73m	(644790.900m,9752440.540m)
7	Line	231.749m		100 km/h	0+293.11m	0+524.86m			
8	Line	465.477m		100 km/h	0+524.86m	0+990.34m			
9	Line	383.804m		100 km/h	0+990.34m	1+374.14m			
10	Line	373.483m		100 km/h	1+374.14m	1+747.63m			
11	Line	415.578m		100 km/h	1+747.63m	2+163.21m			
12	Line	625.065m		100 km/h	2+163.21m	2+788.27m			
13	Line	698.841m		100 km/h	2+788.27m	3+487.11m			
14	Line	978.867m		100 km/h	3+487.11m	4+465.98m			
15	Line	471.528m		100 km/h	4+465.98m	4+937.51m			
16	Line	192.399m		100 km/h	4+937.51m	5+129.91m			
17	Line	190.414m		100 km/h	5+129.91m	5+320.32m			
18	Line	165.141m		100 km/h	5+320.32m	5+485.46m			
19	Line	177.044m		100 km/h	5+485.46m	5+662.50m			
20	Line	182.967m		100 km/h	5+662.50m	5+845.47m			
21	Line	432.174m		100 km/h	5+845.47m	6+277.65m			
22	Line	588.087m		100 km/h	6+277.65m	6+865.73m			
23	Line	446.676m		100 km/h	6+865.73m	7+312.41m			
24	Line	261.740m		100 km/h	7+312.41m	7+574.15m			
25	Line	303.289m		100 km/h	7+574.15m	7+877.44m			
26	Line	145.039m		100 km/h	7+877.44m	8+022.48m			
27	Line	213.525m		100 km/h	8+022.48m	8+236.00m			
28	Line	274.218m		100 km/h	8+236.00m	8+510.22m			
29	Line	99.925m		100 km/h	8+510.22m	8+610.14m			
30	Curve	309.362m	400.000m	100 km/h	8+610.14m	8+919.51m	31.892m	8+773.03m	(640610.464m,9745015.655m)
31	Line	63.421m		100 km/h	8+919.51m	8+982.93m			
32	Line	242.416m		100 km/h	8+982.93m	9+225.34m			
33	Line	17.561m		100 km/h	9+225.34m	9+242.90m			

ELEMENTOS DEL TRAZADO VERTICAL-TAURA

Vertical Alignment: RASANTE RAMAL

Station Range: Start: 0+000.00, End: 14+335.00

PVI	Station	Grade Out	Curve Length	
0.00	0+000.00	149597941%		
1.00	0+051.69	-0.31168984%	80.000m	
	Vertical Curve Information:(crest curve)			
	PVC Station:	0+011.69	Elevation:	8.350m
	PVI Station:	0+051.69	Elevation:	8.948m
	PVT Station:	0+091.69	Elevation:	8.824m
	High Point:	0+077.90	Elevation:	8.845m
	Grade in:	149597941%	Grade out:	-0.31168984%
	Change:	180766924%	K:	442,558,838,683,966
	Curve Length:	80.000m		
	Passing Distance:	895.445m	Stopping Distance:	407.642m
2.00	0+143.35			

Vertical Alignment: RASANTE TAURA

Station Range: Start: 0+000.00, End: 924+290.00

PVI	Station	Grade Out	Curve Length	
0.00	0+000.00	0.34440185%		
1.00	0+234.56	-0.14122154%	100.000m	
	Vertical Curve Information:(crest curve)			
	PVC Station:	0+184.56	Elevation:	8.836m
	PVI Station:	0+234.56	Elevation:	9.008m
	PVT Station:	0+284.56	Elevation:	8.937m
	High Point:	0+255.48	Elevation:	8.958m
	Grade in:	0.34440185%	Grade out:	-0.14122154%
	Change:	0.48562340%	K:	205,920,885,802,035
	Curve Length:	100.000m		
	Passing Distance:	3,234.283m	Stopping Distance:	1,418.499m
2.00	0+520.46	-0.01465929%		
3.00	0+736.85	-0.06091468%		
4.00	1+013.50	0.08223820%		
5.00	1+245.50	-0.06505610%		
6.00	1+468.84	0.09040275%		
7.00	1+718.85	-0.35385427%	120.000m	
	Vertical Curve Information:(crest curve)			
	PVC Station:	1+658.85	Elevation:	8.621m
	PVI Station:	1+718.85	Elevation:	8.675m
	PVT Station:	1+778.85	Elevation:	8.463m
	High Point:	1+683.27	Elevation:	8.632m
	Grade in:	0.09040275%	Grade out:	-0.35385427%
	Change:	0.44425702%	K:	27,011,390,721,955
	Curve Length:	120.000m		

ELEMENTOS DEL TRAZADO VERTICAL-TAURA

	Passing Distance:	3,540.783m	Stopping Distance:	1,555.925m
8.00	1+851.90	0.03129713%	100.000m	
	Vertical Curve Information:(sag curve)			
	PVC Station:	1+801.90	Elevation:	8.382m
	PVI Station:	1+851.90	Elevation:	8.205m
	PVT Station:	1+901.90	Elevation:	8.220m
	Low Point:	1+893.77	Elevation:	8.219m
	Grade in:	-0.35385427%	Grade out:	0.03129713%
	Change:	0.38515141%	K:	259,638,153,655,635
	Curve Length:	100.000m		
	Headlight Distance:			
9.00	2+261.92	-0.05013576%		
10.00	2+773.35	-0.00667663%		
11.00	3+586.57	0.09229480%		
12.00	3+981.26	-0.06258973%		
13.00	4+412.74	-0.01452891%		
14.00	4+727.25	-0.04093488%		
15.00	5+156.22	0.00321906%		
16.00	5+522.39	0.06221551%		
17.00	5+822.51	-0.03490363%		
18.00	6+148.40	-0.03271224%		
19.00	6+648.41	-0.88724865%	80.000m	
	Vertical Curve Information:(crest curve)			
	PVC Station:	6+608.41	Elevation:	7.829m
	PVI Station:	6+648.41	Elevation:	7.816m
	PVT Station:	6+688.41	Elevation:	7.461m
	High Point:	6+608.41	Elevation:	7.829m
	Grade in:	-0.03271224%	Grade out:	-0.88724865%
	Change:	0.85453641%	K:	936,180,116,804,562
	Curve Length:	80.000m		
	Passing Distance:	1,849.592m	Stopping Distance:	817.703m
20.00	6+766.90	-0.02933072%	120.000m	
	Vertical Curve Information:(sag curve)			
	PVC Station:	6+706.90	Elevation:	7.297m
	PVI Station:	6+766.90	Elevation:	6.765m
	PVT Station:	6+826.90	Elevation:	6.747m
	Low Point:	6+826.90	Elevation:	6.747m
	Grade in:	-0.88724865%	Grade out:	-0.02933072%
	Change:	0.85791793%	K:	13,987,351,926,105
	Curve Length:	120.000m		
	Headlight Distance:			
21.00	7+053.47	0.02372440%		
22.00	7+657.28	0.05660384%		
23.00	8+108.79	-0.02705970%		
24.00	8+483.78	0.02507293%		
25.00	8+829.48	0.00690922%		

ELEMENTOS DEL TRAZADO VERTICAL-TAURA				
26.00	9+172.56	349900207%	80.000m	
	Vertical Curve Information:(sag curve)			
	PVC Station:	9+132.56	Elevation:	7.086m
	PVI Station:	9+172.56	Elevation:	7.089m
	PVT Station:	9+212.56	Elevation:	8.488m
	Low Point:	9+132.56	Elevation:	7.086m
	Grade in:	0.00690922%	Grade out:	349900207%
	Change:	349209285%	K:	229,088,983,210,714
	Curve Length:	80.000m		
	Headlight Distance:	194.484m		
27.00	9+242.90			

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
		Sq.m.	Cu.m.	Cu.m.
Station: 0+000.000				
	CORTE	10.11	0.00	0.00
	RELLENO	0.00	0.00	0.00
	CARPETA ASF. (1800LB)	0.73	0.00	0.00
	BASE CLASE A-MATERIAL TRITURADO	3.23	0.00	0.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	0.00	0.00
Station: 0+020.000				
	CORTE	6.15	162.61	162.61
	RELLENO	0.00	0.00	0.00
	CARPETA ASF. (1800LB)	0.73	14.60	14.60
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.57	64.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	70.12	70.12
Station: 0+040.000				
	CORTE	6.36	124.74	287.35
	RELLENO	0.00	0.00	0.00
	CARPETA ASF. (1800LB)	0.73	14.60	29.20
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.53	129.11
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.99	140.12
Station: 0+060.000				
	CORTE	4.14	101.20	388.55
	RELLENO	0.03	0.38	0.38
	CARPETA ASF. (1800LB)	0.73	14.60	43.80
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.49	193.60
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.87	209.99
Station: 0+080.000				
	CORTE	3.08	68.15	456.70
	RELLENO	0.11	1.65	2.03
	CARPETA ASF. (1800LB)	0.73	14.60	58.40
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.49	258.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.87	279.86
Station: 0+100.000				
	CORTE	1.01	38.82	495.52
	RELLENO	0.00	1.30	3.33
	CARPETA ASF. (1800LB)	0.73	14.60	73.00
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.51	322.60
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.92	349.78
Station: 0+120.000				
	CORTE	0.00	10.14	505.66

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	5.74	57.46	60.79
	CARPETA ASF. (1800LB)	0.88	16.10	89.10
	BASE CLASE A-MATERIAL TRITURADO	3.71	69.34	391.94
	SUB BASE CLASE A-MATERIAL GRANULAR	4.00	74.99	424.77
Station: 0+140.000				
	CORTE	1.41	13.83	519.49
	RELLENO	0.01	59.44	120.23
	CARPETA ASF. (1800LB)	1.87	28.85	117.94
	BASE CLASE A-MATERIAL TRITURADO	6.12	102.29	494.23
	SUB BASE CLASE A-MATERIAL GRANULAR	6.26	106.60	531.37
Station: 0+160.000				
	CORTE	0.28	16.70	536.19
	RELLENO	0.84	8.04	128.27
	CARPETA ASF. (1800LB)	0.73	28.07	146.01
	BASE CLASE A-MATERIAL TRITURADO	3.24	99.41	593.65
	SUB BASE CLASE A-MATERIAL GRANULAR	3.53	103.63	634.99
Station: 0+180.000				
	CORTE	0.13	4.43	540.62
	RELLENO	2.15	27.63	155.90
	CARPETA ASF. (1800LB)	0.73	14.60	160.61
	BASE CLASE A-MATERIAL TRITURADO	3.24	64.72	658.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.53	70.55	705.54
Station: 0+200.000				
	CORTE	0.00	1.35	541.97
	RELLENO	5.05	71.95	227.86
	CARPETA ASF. (1800LB)	0.73	14.60	175.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.62	722.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	70.26	775.80
Station: 0+220.000				
	CORTE	0.00	0.00	541.97
	RELLENO	6.53	114.93	342.79
	CARPETA ASF. (1800LB)	0.73	14.60	189.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	787.50
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.95	845.75
Station: 0+240.000				
	CORTE	0.00	0.00	541.97
	RELLENO	4.03	104.44	447.23

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	204.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.51	852.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.94	915.70
Station: 0+260.000				
	CORTE	0.00	0.00	541.97
	RELLENO	5.07	90.81	538.04
	CARPETA ASF. (1800LB)	0.73	14.60	219.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.51	916.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.94	985.64
Station: 0+280.000				
	CORTE	0.00	0.00	541.97
	RELLENO	4.25	92.99	631.04
	CARPETA ASF. (1800LB)	0.73	14.60	233.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.51	981.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.94	1055.58
Station: 0+300.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.92	71.64	702.68
	CARPETA ASF. (1800LB)	0.73	14.60	248.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	1045.56
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.95	1125.53
Station: 0+320.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.69	56.18	758.86
	CARPETA ASF. (1800LB)	0.73	14.60	262.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.55	1110.11
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	70.05	1195.58
Station: 0+340.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.61	53.03	811.89
	CARPETA ASF. (1800LB)	0.73	14.60	277.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.60	1174.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	70.19	1265.77
Station: 0+360.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.26	48.71	860.60
	CARPETA ASF. (1800LB)	0.73	14.60	292.01

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.64	1239.35
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.33	1336.10
Station: 0+380.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.48	47.36	907.96
	CARPETA ASF. (1800LB)	0.73	14.60	306.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1304.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.41	1406.51
Station: 0+400.000				
	CORTE	0.00	0.00	541.97
	RELLENO	1.82	42.92	950.87
	CARPETA ASF. (1800LB)	0.73	14.60	321.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1368.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1476.93
Station: 0+420.000				
	CORTE	0.00	0.00	541.97
	RELLENO	12.65	144.70	1095.58
	CARPETA ASF. (1800LB)	0.73	14.60	335.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1433.37
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1547.35
Station: 0+440.000				
	CORTE	0.00	0.00	541.97
	RELLENO	1.80	144.51	1240.09
	CARPETA ASF. (1800LB)	0.73	14.60	350.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1498.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1617.76
Station: 0+460.000				
	CORTE	0.00	0.00	541.97
	RELLENO	2.26	40.58	1280.67
	CARPETA ASF. (1800LB)	0.73	14.60	365.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1562.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1688.18
Station: 0+480.000				
	CORTE	0.00	0.00	541.97
	RELLENO	1.89	41.49	1322.16
	CARPETA ASF. (1800LB)	0.73	14.60	379.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1627.38

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1758.60
Station: 0+500.000				
	CORTE	0.00	0.00	541.97
	RELLENO	1.19	30.77	1352.93
	CARPETA ASF. (1800LB)	0.73	14.60	394.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1692.06
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1829.02
Station: 0+520.000				
	CORTE	0.08	0.81	542.78
	RELLENO	0.81	20.00	1372.92
	CARPETA ASF. (1800LB)	0.73	14.60	408.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1756.73
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1899.43
Station: 0+540.000				
	CORTE	0.00	0.81	543.58
	RELLENO	1.10	19.14	1392.07
	CARPETA ASF. (1800LB)	0.73	14.60	423.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1821.40
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	1969.85
Station: 0+560.000				
	CORTE	0.24	2.37	545.96
	RELLENO	1.96	30.62	1422.68
	CARPETA ASF. (1800LB)	0.73	14.60	438.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1886.07
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2040.27
Station: 0+580.000				
	CORTE	0.01	2.50	548.45
	RELLENO	1.15	31.04	1453.72
	CARPETA ASF. (1800LB)	0.73	14.60	452.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	1950.75
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2110.68
Station: 0+600.000				
	CORTE	0.01	0.24	548.70
	RELLENO	0.41	15.60	1469.33
	CARPETA ASF. (1800LB)	0.73	14.60	467.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2015.42
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2181.10

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 0+620.000				
	CORTE	0.00	0.12	548.82
	RELLENO	1.12	15.36	1484.68
	CARPETA ASF. (1800LB)	0.73	14.60	481.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2080.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2251.52
Station: 0+640.000				
	CORTE	0.00	0.00	548.82
	RELLENO	1.46	25.82	1510.50
	CARPETA ASF. (1800LB)	0.73	14.60	496.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2144.76
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2321.93
Station: 0+660.000				
	CORTE	0.00	0.08	548.90
	RELLENO	0.82	22.81	1533.31
	CARPETA ASF. (1800LB)	0.73	14.60	511.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2209.44
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2392.35
Station: 0+680.000				
	CORTE	0.03	0.42	549.32
	RELLENO	1.14	19.64	1552.95
	CARPETA ASF. (1800LB)	0.73	14.60	525.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2274.11
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2462.77
Station: 0+700.000				
	CORTE	0.07	1.08	550.40
	RELLENO	0.66	18.02	1570.97
	CARPETA ASF. (1800LB)	0.73	14.60	540.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2338.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2533.19
Station: 0+720.000				
	CORTE	0.01	0.83	551.24
	RELLENO	1.04	16.97	1587.94
	CARPETA ASF. (1800LB)	0.73	14.60	554.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2403.45
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2603.60
Station: 0+740.000				
	CORTE	0.14	1.45	552.69

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.57	16.06	1604.00
	CARPETA ASF. (1800LB)	0.73	14.60	569.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2468.12
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2674.02
Station: 0+760.000				
	CORTE	0.67	8.06	560.74
	RELLENO	0.39	9.57	1613.57
	CARPETA ASF. (1800LB)	0.73	14.60	584.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2532.80
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2744.44
Station: 0+780.000				
	CORTE	0.81	14.83	575.57
	RELLENO	0.51	8.97	1622.54
	CARPETA ASF. (1800LB)	0.73	14.60	598.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2597.47
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2814.85
Station: 0+800.000				
	CORTE	0.69	15.04	590.61
	RELLENO	0.15	6.61	1629.15
	CARPETA ASF. (1800LB)	0.73	14.60	613.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2662.14
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2885.27
Station: 0+820.000				
	CORTE	0.75	14.42	605.03
	RELLENO	0.39	5.39	1634.54
	CARPETA ASF. (1800LB)	0.73	14.60	627.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2726.81
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	2955.69
Station: 0+840.000				
	CORTE	0.38	11.27	616.30
	RELLENO	0.41	7.98	1642.52
	CARPETA ASF. (1800LB)	0.73	14.60	642.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2791.49
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3026.11
Station: 0+860.000				
	CORTE	0.10	4.76	621.06
	RELLENO	0.64	10.48	1653.00

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	657.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2856.16
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3096.52
Station: 0+880.000				
	CORTE	0.11	2.05	623.11
	RELLENO	0.62	12.57	1665.57
	CARPETA ASF. (1800LB)	0.73	14.60	671.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2920.83
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3166.94
Station: 0+900.000				
	CORTE	0.52	6.27	629.38
	RELLENO	0.38	10.06	1675.63
	CARPETA ASF. (1800LB)	0.73	14.60	686.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	2985.50
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3237.36
Station: 0+920.000				
	CORTE	0.66	11.77	641.15
	RELLENO	0.57	9.55	1685.18
	CARPETA ASF. (1800LB)	0.73	14.60	700.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3050.18
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3307.77
Station: 0+940.000				
	CORTE	0.30	9.54	650.69
	RELLENO	0.31	8.83	1694.01
	CARPETA ASF. (1800LB)	0.73	14.60	715.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3114.85
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3378.19
Station: 0+960.000				
	CORTE	0.12	4.20	654.90
	RELLENO	3.50	38.17	1732.18
	CARPETA ASF. (1800LB)	0.73	14.60	730.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3179.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3448.61
Station: 0+980.000				
	CORTE	0.08	2.04	656.94
	RELLENO	1.03	45.36	1777.54
	CARPETA ASF. (1800LB)	0.73	14.60	744.61

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3244.19
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3519.02
Station: 1+000.000				
	CORTE	0.03	1.08	658.02
	RELLENO	1.01	20.42	1797.96
	CARPETA ASF. (1800LB)	0.73	14.60	759.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3308.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3589.44
Station: 1+020.000				
	CORTE	0.00	0.26	658.28
	RELLENO	1.64	26.46	1824.43
	CARPETA ASF. (1800LB)	0.73	14.60	773.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3373.54
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3659.86
Station: 1+040.000				
	CORTE	0.00	0.00	658.28
	RELLENO	1.20	28.34	1852.76
	CARPETA ASF. (1800LB)	0.73	14.60	788.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3438.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3730.28
Station: 1+060.000				
	CORTE	0.00	0.06	658.34
	RELLENO	1.41	26.09	1878.85
	CARPETA ASF. (1800LB)	0.73	14.60	803.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3502.88
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3800.69
Station: 1+080.000				
	CORTE	0.20	2.04	660.38
	RELLENO	0.77	21.77	1900.62
	CARPETA ASF. (1800LB)	0.73	14.60	817.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3567.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3871.11
Station: 1+100.000				
	CORTE	0.43	6.31	666.69
	RELLENO	0.37	11.34	1911.96
	CARPETA ASF. (1800LB)	0.73	14.60	832.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3632.23

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	3941.53
Station: 1+120.000				
	CORTE	0.36	7.92	674.61
	RELLENO	0.73	11.02	1922.98
	CARPETA ASF. (1800LB)	0.73	14.60	846.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3696.90
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4011.94
Station: 1+140.000				
	CORTE	0.00	3.59	678.19
	RELLENO	1.61	23.44	1946.42
	CARPETA ASF. (1800LB)	0.73	14.60	861.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3761.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4082.36
Station: 1+160.000				
	CORTE	0.00	0.00	678.19
	RELLENO	2.35	39.63	1986.05
	CARPETA ASF. (1800LB)	0.73	14.60	876.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3826.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4152.78
Station: 1+180.000				
	CORTE	0.00	0.00	678.19
	RELLENO	1.75	41.07	2027.12
	CARPETA ASF. (1800LB)	0.73	14.60	890.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3890.92
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4223.19
Station: 1+200.000				
	CORTE	0.00	0.00	678.19
	RELLENO	1.58	33.36	2060.48
	CARPETA ASF. (1800LB)	0.73	14.60	905.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	3955.59
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4293.61
Station: 1+220.000				
	CORTE	0.11	1.13	679.32
	RELLENO	0.97	25.57	2086.05
	CARPETA ASF. (1800LB)	0.73	14.60	919.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4020.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4364.03

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 1+240.000				
	CORTE	0.06	1.70	681.02
	RELLENO	0.83	18.01	2104.05
	CARPETA ASF. (1800LB)	0.73	14.60	934.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4084.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4434.45
Station: 1+260.000				
	CORTE	0.00	0.57	681.59
	RELLENO	5.28	61.08	2165.13
	CARPETA ASF. (1800LB)	0.73	14.60	949.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4149.61
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4504.86
Station: 1+280.000				
	CORTE	0.07	0.74	682.33
	RELLENO	14.55	198.34	2363.47
	CARPETA ASF. (1800LB)	0.73	14.60	963.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4214.28
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4575.28
Station: 1+300.000				
	CORTE	0.01	0.88	683.21
	RELLENO	7.01	215.67	2579.14
	CARPETA ASF. (1800LB)	0.73	14.60	978.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4278.95
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4645.70
Station: 1+320.000				
	CORTE	0.12	1.30	684.51
	RELLENO	1.39	84.03	2663.17
	CARPETA ASF. (1800LB)	0.73	14.60	992.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4343.62
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4716.11
Station: 1+340.000				
	CORTE	0.00	1.20	685.71
	RELLENO	2.46	38.55	2701.72
	CARPETA ASF. (1800LB)	0.73	14.60	1007.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4408.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4786.53
Station: 1+360.000				
	CORTE	0.00	0.04	685.75

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	2.71	51.74	2753.46
	CARPETA ASF. (1800LB)	0.73	14.60	1022.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4472.97
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4856.95
Station: 1+380.000				
	CORTE	0.00	0.00	685.75
	RELLENO	2.18	48.94	2802.40
	CARPETA ASF. (1800LB)	0.73	14.60	1036.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4537.64
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4927.36
Station: 1+400.000				
	CORTE	0.00	0.00	685.75
	RELLENO	1.13	33.11	2835.51
	CARPETA ASF. (1800LB)	0.73	14.60	1051.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4602.31
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	4997.78
Station: 1+420.000				
	CORTE	0.03	0.30	686.05
	RELLENO	1.38	25.10	2860.61
	CARPETA ASF. (1800LB)	0.73	14.60	1065.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4666.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5068.20
Station: 1+440.000				
	CORTE	0.13	1.62	687.66
	RELLENO	1.11	24.95	2885.56
	CARPETA ASF. (1800LB)	0.73	14.60	1080.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4731.66
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5138.62
Station: 1+460.000				
	CORTE	0.06	1.94	689.60
	RELLENO	1.76	28.72	2914.28
	CARPETA ASF. (1800LB)	0.73	14.60	1095.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4796.33
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5209.03
Station: 1+480.000				
	CORTE	0.00	0.62	690.22
	RELLENO	1.27	30.26	2944.54

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	1109.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4861.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5279.45
Station: 1+500.000				
	CORTE	0.00	0.00	690.22
	RELLENO	3.64	49.04	2993.59
	CARPETA ASF. (1800LB)	0.73	14.60	1124.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4925.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5349.87
Station: 1+520.000				
	CORTE	0.00	0.00	690.22
	RELLENO	3.49	71.31	3064.90
	CARPETA ASF. (1800LB)	0.73	14.60	1138.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	4990.35
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5420.28
Station: 1+540.000				
	CORTE	0.00	0.00	690.22
	RELLENO	3.16	66.51	3131.41
	CARPETA ASF. (1800LB)	0.73	14.60	1153.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5055.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5490.70
Station: 1+560.000				
	CORTE	0.00	0.00	690.22
	RELLENO	2.33	54.85	3186.26
	CARPETA ASF. (1800LB)	0.73	14.60	1168.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5119.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5561.12
Station: 1+580.000				
	CORTE	0.00	0.00	690.22
	RELLENO	2.48	48.04	3234.30
	CARPETA ASF. (1800LB)	0.73	14.60	1182.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5184.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5631.53
Station: 1+600.000				
	CORTE	0.00	0.00	690.22
	RELLENO	2.57	50.48	3284.78
	CARPETA ASF. (1800LB)	0.73	14.60	1197.21

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5249.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5701.95
Station: 1+620.000				
	CORTE	0.00	0.00	690.22
	RELLENO	2.66	52.32	3337.11
	CARPETA ASF. (1800LB)	0.73	14.60	1211.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5313.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5772.37
Station: 1+640.000				
	CORTE	0.00	0.00	690.22
	RELLENO	2.95	56.14	3393.25
	CARPETA ASF. (1800LB)	0.73	14.60	1226.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5378.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5842.79
Station: 1+660.000				
	CORTE	0.00	0.00	690.22
	RELLENO	4.33	72.81	3466.06
	CARPETA ASF. (1800LB)	0.73	14.60	1241.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5443.05
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5913.20
Station: 1+680.000				
	CORTE	0.00	0.00	690.22
	RELLENO	4.20	85.32	3551.38
	CARPETA ASF. (1800LB)	0.73	14.60	1255.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5507.72
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	5983.62
Station: 1+700.000				
	CORTE	0.00	0.00	690.22
	RELLENO	1.86	60.60	3611.99
	CARPETA ASF. (1800LB)	0.73	14.60	1270.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5572.40
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6054.04
Station: 1+720.000				
	CORTE	0.01	0.11	690.33
	RELLENO	1.76	36.20	3648.19
	CARPETA ASF. (1800LB)	0.73	14.60	1284.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5637.07

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6124.45
Station: 1+740.000				
	CORTE	0.00	0.11	690.45
	RELLENO	2.83	45.95	3694.14
	CARPETA ASF. (1800LB)	0.73	14.60	1299.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5701.74
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6194.87
Station: 1+760.000				
	CORTE	0.00	0.00	690.45
	RELLENO	2.13	49.63	3743.77
	CARPETA ASF. (1800LB)	0.73	14.60	1314.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5766.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6265.29
Station: 1+780.000				
	CORTE	0.00	0.00	690.45
	RELLENO	12.88	150.11	3893.88
	CARPETA ASF. (1800LB)	0.73	14.60	1328.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5831.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6335.71
Station: 1+800.000				
	CORTE	0.00	0.00	690.45
	RELLENO	2.53	154.14	4048.02
	CARPETA ASF. (1800LB)	0.73	14.60	1343.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5895.76
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6406.12
Station: 1+820.000				
	CORTE	0.04	0.39	690.83
	RELLENO	2.25	47.82	4095.84
	CARPETA ASF. (1800LB)	0.73	14.60	1357.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	5960.43
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6476.54
Station: 1+840.000				
	CORTE	0.03	0.70	691.53
	RELLENO	2.36	46.09	4141.93
	CARPETA ASF. (1800LB)	0.73	14.60	1372.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6025.10
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6546.96

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 1+860.000				
	CORTE	0.24	2.72	694.25
	RELLENO	1.58	39.45	4181.38
	CARPETA ASF. (1800LB)	0.73	14.60	1387.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6089.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6617.37
Station: 1+880.000				
	CORTE	0.29	5.30	699.55
	RELLENO	1.30	28.89	4210.27
	CARPETA ASF. (1800LB)	0.73	14.60	1401.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6154.45
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6687.79
Station: 1+900.000				
	CORTE	0.12	4.15	703.71
	RELLENO	1.88	31.87	4242.14
	CARPETA ASF. (1800LB)	0.73	14.60	1416.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6219.12
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6758.21
Station: 1+920.000				
	CORTE	0.02	1.41	705.11
	RELLENO	2.57	44.55	4286.69
	CARPETA ASF. (1800LB)	0.73	14.60	1430.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6283.79
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6828.62
Station: 1+940.000				
	CORTE	0.00	0.16	705.27
	RELLENO	2.39	49.62	4336.31
	CARPETA ASF. (1800LB)	0.73	14.60	1445.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6348.46
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6899.04
Station: 1+960.000				
	CORTE	0.00	0.00	705.27
	RELLENO	1.81	42.03	4378.34
	CARPETA ASF. (1800LB)	0.73	14.60	1460.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6413.14
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	6969.46
Station: 1+980.000				
	CORTE	0.00	0.00	705.27

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	2.44	42.57	4420.90
	CARPETA ASF. (1800LB)	0.73	14.60	1474.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6477.81
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7039.88
Station: 2+000.000				
	CORTE	0.00	0.00	705.27
	RELLENO	2.57	50.16	4471.06
	CARPETA ASF. (1800LB)	0.73	14.60	1489.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6542.48
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7110.29
Station: 2+020.000				
	CORTE	0.00	0.00	705.27
	RELLENO	2.48	50.55	4521.61
	CARPETA ASF. (1800LB)	0.73	14.60	1503.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6607.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7180.71
Station: 2+040.000				
	CORTE	0.00	0.00	705.27
	RELLENO	3.08	55.58	4577.18
	CARPETA ASF. (1800LB)	0.73	14.60	1518.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6671.83
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7251.13
Station: 2+060.000				
	CORTE	0.00	0.00	705.27
	RELLENO	3.28	63.53	4640.71
	CARPETA ASF. (1800LB)	0.73	14.60	1533.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6736.50
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7321.54
Station: 2+080.000				
	CORTE	0.00	0.00	705.27
	RELLENO	4.66	79.41	4720.12
	CARPETA ASF. (1800LB)	0.73	14.60	1547.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6801.17
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7391.96
Station: 2+100.000				
	CORTE	0.00	0.00	705.27
	RELLENO	2.99	76.58	4796.70

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	CARPETA ASF. (1800LB)	0.73	14.60	1562.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6865.84
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7462.38
Station: 2+120.000				
	CORTE	0.00	0.00	705.27
	RELLENO	3.71	66.99	4863.69
	CARPETA ASF. (1800LB)	0.73	14.60	1576.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6930.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7532.79
Station: 2+140.000				
	CORTE	0.00	0.00	705.27
	RELLENO	2.24	59.47	4923.16
	CARPETA ASF. (1800LB)	0.73	14.60	1591.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	6995.19
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7603.21
Station: 2+160.000				
	CORTE	0.16	1.56	706.83
	RELLENO	0.77	30.13	4953.29
	CARPETA ASF. (1800LB)	0.73	14.60	1606.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7059.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7673.63
Station: 2+180.000				
	CORTE	0.21	3.64	710.47
	RELLENO	1.10	18.72	4972.01
	CARPETA ASF. (1800LB)	0.73	14.60	1620.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7124.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7744.05
Station: 2+200.000				
	CORTE	0.00	2.08	712.55
	RELLENO	1.35	24.45	4996.46
	CARPETA ASF. (1800LB)	0.73	14.60	1635.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7189.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7814.46
Station: 2+220.000				
	CORTE	0.00	0.00	712.56
	RELLENO	2.07	34.14	5030.60
	CARPETA ASF. (1800LB)	0.73	14.60	1649.81

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7253.88
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7884.88
Station: 2+240.000				
	CORTE	0.00	0.00	712.56
	RELLENO	1.34	34.11	5064.71
	CARPETA ASF. (1800LB)	0.73	14.60	1664.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7318.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	7955.30
Station: 2+260.000				
	CORTE	0.00	0.00	712.56
	RELLENO	1.07	24.14	5088.86
	CARPETA ASF. (1800LB)	0.73	14.60	1679.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7383.22
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8025.71
Station: 2+280.000				
	CORTE	0.00	0.04	712.60
	RELLENO	1.48	25.54	5114.40
	CARPETA ASF. (1800LB)	0.73	14.60	1693.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7447.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8096.13
Station: 2+300.000				
	CORTE	0.07	0.72	713.33
	RELLENO	1.16	26.43	5140.83
	CARPETA ASF. (1800LB)	0.73	14.60	1708.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7512.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8166.55
Station: 2+320.000				
	CORTE	0.46	5.34	718.66
	RELLENO	0.87	20.30	5161.13
	CARPETA ASF. (1800LB)	0.73	14.60	1722.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7577.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8236.96
Station: 2+340.000				
	CORTE	0.89	13.54	732.20
	RELLENO	0.70	15.69	5176.82
	CARPETA ASF. (1800LB)	0.73	14.60	1737.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7641.91

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8307.38
Station: 2+360.000				
	CORTE	0.84	17.25	749.45
	RELLENO	0.64	13.40	5190.22
	CARPETA ASF. (1800LB)	0.73	14.60	1752.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7706.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8377.80
Station: 2+380.000				
	CORTE	0.89	17.22	766.68
	RELLENO	0.50	11.40	5201.62
	CARPETA ASF. (1800LB)	0.73	14.60	1766.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7771.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8448.22
Station: 2+400.000				
	CORTE	1.22	21.08	787.75
	RELLENO	0.36	8.64	5210.26
	CARPETA ASF. (1800LB)	0.73	14.60	1781.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7835.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8518.63
Station: 2+420.000				
	CORTE	1.31	25.29	813.05
	RELLENO	0.13	4.93	5215.19
	CARPETA ASF. (1800LB)	0.73	14.60	1795.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7900.60
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8589.05
Station: 2+440.000				
	CORTE	1.40	27.12	840.16
	RELLENO	0.12	2.50	5217.69
	CARPETA ASF. (1800LB)	0.73	14.60	1810.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	7965.27
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8659.47
Station: 2+460.000				
	CORTE	0.81	22.15	862.32
	RELLENO	0.20	3.22	5220.91
	CARPETA ASF. (1800LB)	0.73	14.60	1825.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8029.95
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8729.88

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 2+480.000				
	CORTE	0.66	14.73	877.04
	RELLENO	0.21	4.09	5225.00
	CARPETA ASF. (1800LB)	0.73	14.60	1839.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8094.62
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8800.30
Station: 2+500.000				
	CORTE	0.68	13.46	890.50
	RELLENO	0.09	3.01	5228.01
	CARPETA ASF. (1800LB)	0.73	14.60	1854.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8159.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8870.72
Station: 2+520.000				
	CORTE	1.52	22.03	912.53
	RELLENO	0.07	1.59	5229.61
	CARPETA ASF. (1800LB)	0.73	14.60	1868.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8223.96
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	8941.13
Station: 2+540.000				
	CORTE	0.92	24.36	936.89
	RELLENO	0.12	1.88	5231.49
	CARPETA ASF. (1800LB)	0.73	14.60	1883.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8288.64
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9011.55
Station: 2+560.000				
	CORTE	1.19	21.05	957.94
	RELLENO	0.68	8.02	5239.51
	CARPETA ASF. (1800LB)	0.73	14.60	1898.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8353.31
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9081.97
Station: 2+580.000				
	CORTE	0.76	19.43	977.37
	RELLENO	0.31	9.88	5249.39
	CARPETA ASF. (1800LB)	0.73	14.60	1912.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8417.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9152.39
Station: 2+600.000				
	CORTE	0.53	12.91	990.28

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.30	6.04	5255.43
	CARPETA ASF. (1800LB)	0.73	14.60	1927.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8482.65
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9222.80
Station: 2+620.000				
	CORTE	0.67	12.05	1002.33
	RELLENO	0.40	6.95	5262.39
	CARPETA ASF. (1800LB)	0.73	14.60	1941.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8547.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9293.22
Station: 2+640.000				
	CORTE	0.38	10.49	1012.82
	RELLENO	0.82	12.18	5274.57
	CARPETA ASF. (1800LB)	0.73	14.60	1956.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8612.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9363.64
Station: 2+660.000				
	CORTE	0.00	3.79	1016.61
	RELLENO	1.59	24.07	5298.63
	CARPETA ASF. (1800LB)	0.73	14.60	1971.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8676.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9434.05
Station: 2+680.000				
	CORTE	0.30	3.03	1019.65
	RELLENO	1.15	27.36	5325.99
	CARPETA ASF. (1800LB)	0.73	14.60	1985.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8741.34
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9504.47
Station: 2+700.000				
	CORTE	0.17	4.76	1024.41
	RELLENO	1.09	22.43	5348.42
	CARPETA ASF. (1800LB)	0.73	14.60	2000.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8806.01
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9574.89
Station: 2+720.000				
	CORTE	0.01	1.83	1026.24
	RELLENO	1.37	24.67	5373.10

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	2014.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8870.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9645.31
Station: 2+740.000				
	CORTE	0.00	0.12	1026.35
	RELLENO	9.89	112.62	5485.72
	CARPETA ASF. (1800LB)	0.73	14.60	2029.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	8935.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9715.72
Station: 2+760.000				
	CORTE	0.03	0.30	1026.65
	RELLENO	0.42	103.12	5588.84
	CARPETA ASF. (1800LB)	0.73	14.60	2044.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9000.03
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9786.14
Station: 2+780.000				
	CORTE	0.05	0.76	1027.41
	RELLENO	0.76	11.85	5600.70
	CARPETA ASF. (1800LB)	0.73	14.60	2058.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9064.70
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9856.56
Station: 2+800.000				
	CORTE	0.19	2.42	1029.84
	RELLENO	0.73	14.95	5615.65
	CARPETA ASF. (1800LB)	0.73	14.60	2073.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9129.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9926.97
Station: 2+820.000				
	CORTE	0.30	4.92	1034.75
	RELLENO	1.98	27.14	5642.79
	CARPETA ASF. (1800LB)	0.73	14.60	2087.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9194.05
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	9997.39
Station: 2+840.000				
	CORTE	0.47	7.68	1042.43
	RELLENO	0.79	27.76	5670.55
	CARPETA ASF. (1800LB)	0.73	14.60	2102.41

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9258.72
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10067.81
Station: 2+860.000				
	CORTE	0.45	9.23	1051.66
	RELLENO	0.40	11.93	5682.48
	CARPETA ASF. (1800LB)	0.73	14.60	2117.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9323.39
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10138.22
Station: 2+880.000				
	CORTE	0.86	13.13	1064.79
	RELLENO	0.06	4.59	5687.07
	CARPETA ASF. (1800LB)	0.73	14.60	2131.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9388.06
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10208.64
Station: 2+900.000				
	CORTE	0.54	14.04	1078.84
	RELLENO	0.25	3.12	5690.19
	CARPETA ASF. (1800LB)	0.73	14.60	2146.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9452.74
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10279.06
Station: 2+920.000				
	CORTE	0.56	10.98	1089.82
	RELLENO	0.97	12.26	5702.45
	CARPETA ASF. (1800LB)	0.73	14.60	2160.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9517.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10349.48
Station: 2+940.000				
	CORTE	0.41	9.70	1099.52
	RELLENO	0.39	13.66	5716.11
	CARPETA ASF. (1800LB)	0.73	14.60	2175.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9582.08
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10419.89
Station: 2+960.000				
	CORTE	0.32	7.37	1106.89
	RELLENO	0.52	9.13	5725.24
	CARPETA ASF. (1800LB)	0.73	14.60	2190.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9646.75

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10490.31
Station: 2+980.000				
	CORTE	0.24	5.61	1112.50
	RELLENO	1.18	16.97	5742.21
	CARPETA ASF. (1800LB)	0.73	14.60	2204.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9711.43
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10560.73
Station: 3+000.000				
	CORTE	0.62	8.60	1121.10
	RELLENO	0.75	19.24	5761.45
	CARPETA ASF. (1800LB)	0.73	14.60	2219.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9776.10
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10631.14
Station: 3+020.000				
	CORTE	0.62	12.42	1133.51
	RELLENO	0.58	13.32	5774.77
	CARPETA ASF. (1800LB)	0.73	14.60	2233.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9840.77
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10701.56
Station: 3+040.000				
	CORTE	0.64	12.56	1146.08
	RELLENO	0.41	9.92	5784.69
	CARPETA ASF. (1800LB)	0.73	14.60	2248.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9905.44
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10771.98
Station: 3+060.000				
	CORTE	0.68	13.12	1159.20
	RELLENO	0.25	6.55	5791.25
	CARPETA ASF. (1800LB)	0.73	14.60	2263.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	9970.12
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10842.39
Station: 3+080.000				
	CORTE	0.26	9.41	1168.61
	RELLENO	0.90	11.47	5802.72
	CARPETA ASF. (1800LB)	0.73	14.60	2277.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10034.79
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10912.81

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 3+100.000				
	CORTE	0.23	4.96	1173.57
	RELLENO	0.88	17.86	5820.58
	CARPETA ASF. (1800LB)	0.73	14.60	2292.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10099.46
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	10983.23
Station: 3+120.000				
	CORTE	0.00	2.41	1175.98
	RELLENO	1.12	20.09	5840.67
	CARPETA ASF. (1800LB)	0.73	14.60	2306.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10164.13
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11053.65
Station: 3+140.000				
	CORTE	0.00	0.09	1176.07
	RELLENO	2.09	32.16	5872.83
	CARPETA ASF. (1800LB)	0.73	14.60	2321.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10228.81
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11124.06
Station: 3+160.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.05	41.44	5914.28
	CARPETA ASF. (1800LB)	0.73	14.60	2336.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10293.48
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11194.48
Station: 3+180.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.46	45.11	5959.39
	CARPETA ASF. (1800LB)	0.73	14.60	2350.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10358.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11264.90
Station: 3+200.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.04	45.03	6004.42
	CARPETA ASF. (1800LB)	0.73	14.60	2365.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10422.82
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11335.31
Station: 3+220.000				
	CORTE	0.00	0.00	1176.07

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	1.62	36.65	6041.07
	CARPETA ASF. (1800LB)	0.73	14.60	2379.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10487.49
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11405.73
Station: 3+240.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.37	39.92	6080.99
	CARPETA ASF. (1800LB)	0.73	14.60	2394.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10552.17
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11476.15
Station: 3+260.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.21	45.77	6126.76
	CARPETA ASF. (1800LB)	0.73	14.60	2409.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10616.84
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11546.56
Station: 3+280.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.46	46.69	6173.45
	CARPETA ASF. (1800LB)	0.73	14.60	2423.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10681.51
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11616.98
Station: 3+300.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	2.44	49.01	6222.46
	CARPETA ASF. (1800LB)	0.73	14.60	2438.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10746.18
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11687.40
Station: 3+320.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	3.82	62.59	6285.05
	CARPETA ASF. (1800LB)	0.73	14.60	2452.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10810.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11757.82
Station: 3+340.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	4.41	82.32	6367.37

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	2467.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10875.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11828.23
Station: 3+360.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	4.01	84.25	6451.62
	CARPETA ASF. (1800LB)	0.73	14.60	2482.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	10940.20
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11898.65
Station: 3+380.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	4.02	80.35	6531.97
	CARPETA ASF. (1800LB)	0.73	14.60	2496.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11004.87
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	11969.07
Station: 3+400.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	3.74	77.64	6609.61
	CARPETA ASF. (1800LB)	0.73	14.60	2511.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11069.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12039.48
Station: 3+420.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	3.10	68.45	6678.05
	CARPETA ASF. (1800LB)	0.73	14.60	2525.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11134.22
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12109.90
Station: 3+440.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	3.32	64.20	6742.26
	CARPETA ASF. (1800LB)	0.73	14.60	2540.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11198.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12180.32
Station: 3+460.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	4.72	80.37	6822.63
	CARPETA ASF. (1800LB)	0.73	14.60	2555.01

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11263.56
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12250.73
Station: 3+480.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	3.58	82.99	6905.62
	CARPETA ASF. (1800LB)	0.73	14.60	2569.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11328.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12321.15
Station: 3+500.000				
	CORTE	0.00	0.00	1176.07
	RELLENO	1.61	51.91	6957.53
	CARPETA ASF. (1800LB)	0.73	14.60	2584.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11392.91
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12391.57
Station: 3+520.000				
	CORTE	0.02	0.23	1176.30
	RELLENO	2.19	38.04	6995.57
	CARPETA ASF. (1800LB)	0.73	14.60	2598.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11457.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12461.99
Station: 3+540.000				
	CORTE	0.00	0.25	1176.55
	RELLENO	1.15	33.41	7028.98
	CARPETA ASF. (1800LB)	0.73	14.60	2613.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11522.25
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12532.40
Station: 3+560.000				
	CORTE	0.07	0.68	1177.23
	RELLENO	0.68	18.31	7047.29
	CARPETA ASF. (1800LB)	0.73	14.60	2628.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11586.92
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12602.82
Station: 3+580.000				
	CORTE	0.03	0.99	1178.22
	RELLENO	0.89	15.74	7063.03
	CARPETA ASF. (1800LB)	0.73	14.60	2642.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11651.60

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12673.24
Station: 3+600.000				
	CORTE	0.00	0.34	1178.56
	RELLENO	1.24	21.28	7084.31
	CARPETA ASF. (1800LB)	0.73	14.60	2657.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11716.27
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12743.65
Station: 3+620.000				
	CORTE	0.03	0.26	1178.82
	RELLENO	1.75	29.86	7114.17
	CARPETA ASF. (1800LB)	0.73	14.60	2671.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11780.94
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12814.07
Station: 3+640.000				
	CORTE	0.01	0.37	1179.19
	RELLENO	1.03	27.79	7141.96
	CARPETA ASF. (1800LB)	0.73	14.60	2686.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11845.61
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12884.49
Station: 3+660.000				
	CORTE	0.10	1.08	1180.27
	RELLENO	0.44	14.68	7156.64
	CARPETA ASF. (1800LB)	0.73	14.60	2701.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11910.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	12954.91
Station: 3+680.000				
	CORTE	0.47	5.71	1185.97
	RELLENO	0.77	12.13	7168.77
	CARPETA ASF. (1800LB)	0.73	14.60	2715.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	11974.96
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13025.32
Station: 3+700.000				
	CORTE	0.33	8.01	1193.98
	RELLENO	0.52	12.92	7181.70
	CARPETA ASF. (1800LB)	0.73	14.60	2730.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12039.63
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13095.74

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 3+720.000				
	CORTE	0.28	6.06	1200.04
	RELLENO	0.73	12.47	7194.16
	CARPETA ASF. (1800LB)	0.73	14.60	2744.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12104.30
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13166.16
Station: 3+740.000				
	CORTE	1.11	13.90	1213.94
	RELLENO	0.05	7.82	7201.98
	CARPETA ASF. (1800LB)	0.73	14.60	2759.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12168.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13236.57
Station: 3+760.000				
	CORTE	1.02	21.29	1235.23
	RELLENO	0.26	3.09	7205.07
	CARPETA ASF. (1800LB)	0.73	14.60	2774.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12233.65
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13306.99
Station: 3+780.000				
	CORTE	0.89	19.07	1254.31
	RELLENO	0.15	4.02	7209.09
	CARPETA ASF. (1800LB)	0.73	14.60	2788.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12298.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13377.41
Station: 3+800.000				
	CORTE	0.41	13.05	1267.36
	RELLENO	0.60	7.51	7216.60
	CARPETA ASF. (1800LB)	0.73	14.60	2803.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12362.99
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13447.82
Station: 3+820.000				
	CORTE	0.22	6.36	1273.72
	RELLENO	0.63	12.33	7228.93
	CARPETA ASF. (1800LB)	0.73	14.60	2817.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12427.66
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13518.24
Station: 3+840.000				
	CORTE	0.00	2.21	1275.93

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	1.21	18.37	7247.30
	CARPETA ASF. (1800LB)	0.73	14.60	2832.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12492.34
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13588.66
Station: 3+860.000				
	CORTE	0.00	0.00	1275.93
	RELLENO	1.91	31.19	7278.49
	CARPETA ASF. (1800LB)	0.73	14.60	2847.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12557.01
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13659.08
Station: 3+880.000				
	CORTE	0.00	0.00	1275.93
	RELLENO	1.95	38.58	7317.07
	CARPETA ASF. (1800LB)	0.73	14.60	2861.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12621.68
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13729.49
Station: 3+900.000				
	CORTE	0.00	0.00	1275.93
	RELLENO	1.94	38.84	7355.92
	CARPETA ASF. (1800LB)	0.73	14.60	2876.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12686.35
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13799.91
Station: 3+920.000				
	CORTE	0.00	0.00	1275.93
	RELLENO	0.71	26.44	7382.36
	CARPETA ASF. (1800LB)	0.73	14.60	2890.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12751.03
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13870.33
Station: 3+940.000				
	CORTE	0.00	0.02	1275.95
	RELLENO	1.07	17.81	7400.17
	CARPETA ASF. (1800LB)	0.73	14.60	2905.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12815.70
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	13940.74
Station: 3+960.000				
	CORTE	0.02	0.22	1276.17
	RELLENO	1.06	21.34	7421.51

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	2920.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12880.37
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14011.16
Station: 3+980.000				
	CORTE	0.00	0.21	1276.37
	RELLENO	1.93	29.90	7451.42
	CARPETA ASF. (1800LB)	0.73	14.60	2934.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	12945.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14081.58
Station: 4+000.000				
	CORTE	0.07	0.69	1277.07
	RELLENO	1.42	33.49	7484.91
	CARPETA ASF. (1800LB)	0.73	14.60	2949.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13009.72
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14151.99
Station: 4+020.000				
	CORTE	0.26	3.34	1280.40
	RELLENO	0.25	16.71	7501.62
	CARPETA ASF. (1800LB)	0.73	14.60	2963.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13074.39
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14222.41
Station: 4+040.000				
	CORTE	0.29	5.53	1285.93
	RELLENO	1.37	16.20	7517.82
	CARPETA ASF. (1800LB)	0.73	14.60	2978.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13139.06
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14292.83
Station: 4+060.000				
	CORTE	0.34	6.31	1292.24
	RELLENO	0.57	19.38	7537.20
	CARPETA ASF. (1800LB)	0.73	14.60	2993.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13203.73
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14363.25
Station: 4+080.000				
	CORTE	0.37	7.11	1299.35
	RELLENO	1.02	15.87	7553.07
	CARPETA ASF. (1800LB)	0.73	14.60	3007.61

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13268.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14433.66
Station: 4+100.000				
	CORTE	0.64	10.12	1309.48
	RELLENO	0.00	10.26	7563.33
	CARPETA ASF. (1800LB)	0.73	14.60	3022.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13333.08
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14504.08
Station: 4+120.000				
	CORTE	0.33	9.70	1319.17
	RELLENO	1.11	11.19	7574.52
	CARPETA ASF. (1800LB)	0.73	14.60	3036.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13397.75
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14574.50
Station: 4+140.000				
	CORTE	0.47	7.92	1327.09
	RELLENO	0.27	13.79	7588.31
	CARPETA ASF. (1800LB)	0.73	14.60	3051.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13462.42
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14644.91
Station: 4+160.000				
	CORTE	0.50	9.65	1336.74
	RELLENO	0.99	12.54	7600.85
	CARPETA ASF. (1800LB)	0.73	14.60	3066.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13527.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14715.33
Station: 4+180.000				
	CORTE	0.17	6.70	1343.43
	RELLENO	0.60	15.89	7616.73
	CARPETA ASF. (1800LB)	0.73	14.60	3080.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13591.77
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14785.75
Station: 4+200.000				
	CORTE	0.29	4.60	1348.03
	RELLENO	0.47	10.76	7627.49
	CARPETA ASF. (1800LB)	0.73	14.60	3095.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13656.44

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14856.16
Station: 4+220.000				
	CORTE	0.46	7.51	1355.55
	RELLENO	0.97	14.42	7641.91
	CARPETA ASF. (1800LB)	0.73	14.60	3109.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13721.11
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14926.58
Station: 4+240.000				
	CORTE	0.41	8.73	1364.28
	RELLENO	0.59	15.59	7657.50
	CARPETA ASF. (1800LB)	0.73	14.60	3124.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13785.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	14997.00
Station: 4+260.000				
	CORTE	0.37	7.80	1372.08
	RELLENO	0.90	14.91	7672.41
	CARPETA ASF. (1800LB)	0.73	14.60	3139.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13850.46
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15067.42
Station: 4+280.000				
	CORTE	0.13	5.02	1377.10
	RELLENO	0.76	16.58	7688.99
	CARPETA ASF. (1800LB)	0.73	14.60	3153.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13915.13
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15137.83
Station: 4+300.000				
	CORTE	0.13	2.59	1379.69
	RELLENO	1.55	23.06	7712.05
	CARPETA ASF. (1800LB)	0.73	14.60	3168.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	13979.80
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15208.25
Station: 4+320.000				
	CORTE	0.03	1.60	1381.29
	RELLENO	1.81	33.55	7745.60
	CARPETA ASF. (1800LB)	0.73	14.60	3182.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14044.47
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15278.67

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 4+340.000				
	CORTE	0.14	1.79	1383.08
	RELLENO	0.42	22.25	7767.85
	CARPETA ASF. (1800LB)	0.73	14.60	3197.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14109.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15349.08
Station: 4+360.000				
	CORTE	0.09	2.31	1385.39
	RELLENO	0.78	12.02	7779.88
	CARPETA ASF. (1800LB)	0.73	14.60	3212.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14173.82
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15419.50
Station: 4+380.000				
	CORTE	0.15	2.40	1387.78
	RELLENO	1.99	27.73	7807.61
	CARPETA ASF. (1800LB)	0.73	14.60	3226.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14238.49
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15489.92
Station: 4+400.000				
	CORTE	0.00	1.61	1389.40
	RELLENO	1.50	34.87	7842.48
	CARPETA ASF. (1800LB)	0.73	14.60	3241.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14303.16
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15560.33
Station: 4+420.000				
	CORTE	0.00	0.08	1389.47
	RELLENO	2.35	38.43	7880.91
	CARPETA ASF. (1800LB)	0.73	14.60	3255.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14367.84
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15630.75
Station: 4+440.000				
	CORTE	0.00	0.00	1389.48
	RELLENO	1.49	38.37	7919.28
	CARPETA ASF. (1800LB)	0.73	14.60	3270.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14432.51
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15701.17
Station: 4+460.000				
	CORTE	0.01	0.12	1389.60

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	1.67	31.62	7950.90
	CARPETA ASF. (1800LB)	0.73	14.60	3285.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14497.18
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15771.59
Station: 4+480.000				
	CORTE	0.02	0.28	1389.88
	RELLENO	3.38	50.54	8001.43
	CARPETA ASF. (1800LB)	0.73	14.60	3299.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14561.85
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15842.00
Station: 4+500.000				
	CORTE	0.00	0.23	1390.11
	RELLENO	2.74	61.26	8062.70
	CARPETA ASF. (1800LB)	0.73	14.60	3314.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14626.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15912.42
Station: 4+520.000				
	CORTE	0.00	0.07	1390.17
	RELLENO	2.95	56.94	8119.63
	CARPETA ASF. (1800LB)	0.73	14.60	3328.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14691.20
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	15982.84
Station: 4+540.000				
	CORTE	0.00	0.00	1390.17
	RELLENO	1.13	40.80	8160.43
	CARPETA ASF. (1800LB)	0.73	14.60	3343.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14755.87
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16053.25
Station: 4+560.000				
	CORTE	0.05	0.45	1390.62
	RELLENO	1.10	22.34	8182.77
	CARPETA ASF. (1800LB)	0.73	14.60	3358.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14820.54
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16123.67
Station: 4+580.000				
	CORTE	0.23	2.76	1393.38
	RELLENO	2.99	40.98	8223.75

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	CARPETA ASF. (1800LB)	0.73	14.60	3372.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14885.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16194.09
Station: 4+600.000				
	CORTE	0.30	5.32	1398.70
	RELLENO	2.15	51.45	8275.20
	CARPETA ASF. (1800LB)	0.73	14.60	3387.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	14949.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16264.51
Station: 4+620.000				
	CORTE	0.28	5.81	1404.51
	RELLENO	1.56	37.08	8312.28
	CARPETA ASF. (1800LB)	0.73	14.60	3401.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15014.56
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16334.92
Station: 4+640.000				
	CORTE	0.42	6.99	1411.51
	RELLENO	2.54	40.94	8353.22
	CARPETA ASF. (1800LB)	0.73	14.60	3416.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15079.23
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16405.34
Station: 4+660.000				
	CORTE	0.53	9.51	1421.02
	RELLENO	0.70	32.34	8385.56
	CARPETA ASF. (1800LB)	0.73	14.60	3431.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15143.90
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16475.76
Station: 4+680.000				
	CORTE	0.33	8.62	1429.63
	RELLENO	1.79	24.86	8410.43
	CARPETA ASF. (1800LB)	0.73	14.60	3445.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15208.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16546.17
Station: 4+700.000				
	CORTE	0.07	3.99	1433.62
	RELLENO	0.87	26.62	8437.05
	CARPETA ASF. (1800LB)	0.73	14.60	3460.21

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15273.25
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16616.59
Station: 4+720.000				
	CORTE	0.07	1.36	1434.97
	RELLENO	0.86	17.32	8454.36
	CARPETA ASF. (1800LB)	0.73	14.60	3474.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15337.92
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16687.01
Station: 4+740.000				
	CORTE	0.26	3.24	1438.22
	RELLENO	0.64	14.97	8469.33
	CARPETA ASF. (1800LB)	0.73	14.60	3489.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15402.59
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16757.42
Station: 4+760.000				
	CORTE	0.00	2.63	1440.84
	RELLENO	1.02	16.63	8485.95
	CARPETA ASF. (1800LB)	0.73	14.60	3504.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15467.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16827.84
Station: 4+780.000				
	CORTE	0.54	5.45	1446.29
	RELLENO	0.82	18.40	8504.35
	CARPETA ASF. (1800LB)	0.73	14.60	3518.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15531.94
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16898.26
Station: 4+800.000				
	CORTE	0.38	9.22	1455.51
	RELLENO	0.20	10.18	8514.53
	CARPETA ASF. (1800LB)	0.73	14.60	3533.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15596.61
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	16968.68
Station: 4+820.000				
	CORTE	0.00	3.82	1459.33
	RELLENO	1.16	13.61	8528.14
	CARPETA ASF. (1800LB)	0.73	14.60	3547.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15661.28

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17039.09
Station: 4+840.000				
	CORTE	0.00	0.00	1459.33
	RELLENO	1.58	27.34	8555.48
	CARPETA ASF. (1800LB)	0.73	14.60	3562.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15725.95
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17109.51
Station: 4+860.000				
	CORTE	0.00	0.00	1459.33
	RELLENO	1.68	32.52	8588.00
	CARPETA ASF. (1800LB)	0.73	14.60	3577.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15790.63
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17179.93
Station: 4+880.000				
	CORTE	0.00	0.00	1459.33
	RELLENO	1.73	34.08	8622.07
	CARPETA ASF. (1800LB)	0.73	14.60	3591.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15855.30
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17250.34
Station: 4+900.000				
	CORTE	0.00	0.00	1459.33
	RELLENO	1.87	36.01	8658.08
	CARPETA ASF. (1800LB)	0.73	14.60	3606.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15919.97
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17320.76
Station: 4+920.000				
	CORTE	0.00	0.00	1459.33
	RELLENO	2.63	44.97	8703.05
	CARPETA ASF. (1800LB)	0.73	14.60	3620.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	15984.64
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17391.18
Station: 4+940.000				
	CORTE	0.03	0.26	1459.59
	RELLENO	1.04	36.70	8739.75
	CARPETA ASF. (1800LB)	0.73	14.60	3635.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16049.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17461.59

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 4+960.000				
	CORTE	0.05	0.78	1460.37
	RELLENO	1.16	21.98	8761.73
	CARPETA ASF. (1800LB)	0.73	14.60	3650.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16113.99
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17532.01
Station: 4+980.000				
	CORTE	0.13	1.83	1462.20
	RELLENO	1.07	22.27	8784.00
	CARPETA ASF. (1800LB)	0.73	14.60	3664.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16178.66
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17602.43
Station: 5+000.000				
	CORTE	0.03	1.58	1463.77
	RELLENO	0.59	16.58	8800.58
	CARPETA ASF. (1800LB)	0.73	14.60	3679.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16243.33
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17672.85
Station: 5+020.000				
	CORTE	0.02	0.45	1464.22
	RELLENO	1.29	18.73	8819.31
	CARPETA ASF. (1800LB)	0.73	14.60	3693.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16308.01
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17743.26
Station: 5+040.000				
	CORTE	0.17	1.86	1466.08
	RELLENO	0.56	18.47	8837.77
	CARPETA ASF. (1800LB)	0.73	14.60	3708.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16372.68
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17813.68
Station: 5+060.000				
	CORTE	0.30	4.66	1470.74
	RELLENO	0.64	12.03	8849.81
	CARPETA ASF. (1800LB)	0.73	14.60	3723.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16437.35
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17884.10
Station: 5+080.000				
	CORTE	0.30	5.97	1476.71

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.52	11.63	8861.44
	CARPETA ASF. (1800LB)	0.73	14.60	3737.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16502.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	17954.51
Station: 5+100.000				
	CORTE	0.78	10.81	1487.52
	RELLENO	0.45	9.70	8871.14
	CARPETA ASF. (1800LB)	0.73	14.60	3752.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16566.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18024.93
Station: 5+120.000				
	CORTE	1.00	17.81	1505.33
	RELLENO	0.48	9.29	8880.43
	CARPETA ASF. (1800LB)	0.73	14.60	3766.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16631.37
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18095.35
Station: 5+140.000				
	CORTE	0.41	14.04	1519.38
	RELLENO	0.32	8.01	8888.44
	CARPETA ASF. (1800LB)	0.73	14.60	3781.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16696.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18165.76
Station: 5+160.000				
	CORTE	0.07	4.75	1524.13
	RELLENO	0.75	10.70	8899.14
	CARPETA ASF. (1800LB)	0.73	14.60	3796.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16760.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18236.18
Station: 5+180.000				
	CORTE	0.00	0.70	1524.83
	RELLENO	1.58	23.34	8922.48
	CARPETA ASF. (1800LB)	0.73	14.60	3810.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16825.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18306.60
Station: 5+200.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	0.95	25.36	8947.84

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	3825.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16890.06
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18377.02
Station: 5+220.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	1.70	26.49	8974.33
	CARPETA ASF. (1800LB)	0.73	14.60	3839.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	16954.73
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18447.43
Station: 5+240.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	1.29	29.88	9004.21
	CARPETA ASF. (1800LB)	0.73	14.60	3854.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17019.40
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18517.85
Station: 5+260.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	1.42	27.14	9031.34
	CARPETA ASF. (1800LB)	0.73	14.60	3869.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17084.07
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18588.27
Station: 5+280.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	3.14	45.60	9076.95
	CARPETA ASF. (1800LB)	0.73	14.60	3883.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17148.75
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18658.68
Station: 5+300.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	2.72	58.62	9135.56
	CARPETA ASF. (1800LB)	0.73	14.60	3898.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17213.42
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18729.10
Station: 5+320.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	5.27	79.98	9215.54
	CARPETA ASF. (1800LB)	0.73	14.60	3912.81

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17278.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18799.52
Station: 5+340.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	4.19	94.64	9310.18
	CARPETA ASF. (1800LB)	0.73	14.60	3927.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17342.76
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18869.93
Station: 5+360.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	4.37	85.57	9395.75
	CARPETA ASF. (1800LB)	0.73	14.60	3942.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17407.44
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	18940.35
Station: 5+380.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	4.41	87.76	9483.51
	CARPETA ASF. (1800LB)	0.73	14.60	3956.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17472.11
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19010.77
Station: 5+400.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	3.78	81.86	9565.37
	CARPETA ASF. (1800LB)	0.73	14.60	3971.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17536.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19081.19
Station: 5+420.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	4.07	78.46	9643.83
	CARPETA ASF. (1800LB)	0.73	14.60	3985.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17601.45
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19151.60
Station: 5+440.000				
	CORTE	0.00	0.00	1524.83
	RELLENO	2.50	65.67	9709.50
	CARPETA ASF. (1800LB)	0.73	14.60	4000.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17666.12

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19222.02
Station: 5+460.000				
	CORTE	0.00	0.05	1524.88
	RELLENO	1.75	42.45	9751.94
	CARPETA ASF. (1800LB)	0.73	14.60	4015.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17730.80
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19292.44
Station: 5+480.000				
	CORTE	0.00	0.05	1524.93
	RELLENO	1.54	32.89	9784.83
	CARPETA ASF. (1800LB)	0.73	14.60	4029.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17795.47
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19362.85
Station: 5+500.000				
	CORTE	0.12	1.22	1526.15
	RELLENO	0.84	23.88	9808.71
	CARPETA ASF. (1800LB)	0.73	14.60	4044.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17860.14
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19433.27
Station: 5+520.000				
	CORTE	0.43	5.48	1531.63
	RELLENO	0.96	17.99	9826.70
	CARPETA ASF. (1800LB)	0.73	14.60	4058.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17924.81
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19503.69
Station: 5+540.000				
	CORTE	0.64	10.63	1542.26
	RELLENO	3.62	45.78	9872.48
	CARPETA ASF. (1800LB)	0.73	14.60	4073.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	17989.49
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19574.11
Station: 5+560.000				
	CORTE	0.88	15.14	1557.41
	RELLENO	1.16	47.74	9920.22
	CARPETA ASF. (1800LB)	0.73	14.60	4088.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18054.16
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19644.52

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 5+580.000				
	CORTE	0.21	10.88	1568.28
	RELLENO	2.70	38.62	9958.83
	CARPETA ASF. (1800LB)	0.73	14.60	4102.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18118.83
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19714.94
Station: 5+600.000				
	CORTE	0.34	5.55	1573.83
	RELLENO	0.73	34.38	9993.21
	CARPETA ASF. (1800LB)	0.73	14.60	4117.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18183.50
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19785.36
Station: 5+620.000				
	CORTE	0.46	7.99	1581.83
	RELLENO	0.98	17.18	10010.39
	CARPETA ASF. (1800LB)	0.73	14.60	4131.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18248.18
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19855.77
Station: 5+640.000				
	CORTE	0.43	8.84	1590.66
	RELLENO	0.34	13.27	10023.67
	CARPETA ASF. (1800LB)	0.73	14.60	4146.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18312.85
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19926.19
Station: 5+660.000				
	CORTE	0.12	5.50	1596.16
	RELLENO	0.71	10.51	10034.18
	CARPETA ASF. (1800LB)	0.73	14.60	4161.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18377.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	19996.61
Station: 5+680.000				
	CORTE	1.15	12.70	1608.86
	RELLENO	0.98	16.89	10051.07
	CARPETA ASF. (1800LB)	0.73	14.60	4175.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18442.19
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20067.02
Station: 5+700.000				
	CORTE	0.66	18.04	1626.90

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.33	13.11	10064.18
	CARPETA ASF. (1800LB)	0.73	14.60	4190.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18506.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20137.44
Station: 5+720.000				
	CORTE	0.89	15.44	1642.34
	RELLENO	0.42	7.48	10071.66
	CARPETA ASF. (1800LB)	0.73	14.60	4204.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18571.54
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20207.86
Station: 5+740.000				
	CORTE	0.52	14.10	1656.44
	RELLENO	0.59	10.13	10081.79
	CARPETA ASF. (1800LB)	0.73	14.60	4219.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18636.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20278.28
Station: 5+760.000				
	CORTE	0.38	9.04	1665.48
	RELLENO	0.61	12.02	10093.80
	CARPETA ASF. (1800LB)	0.73	14.60	4234.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18700.88
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20348.69
Station: 5+780.000				
	CORTE	0.66	10.45	1675.93
	RELLENO	0.68	12.87	10106.67
	CARPETA ASF. (1800LB)	0.73	14.60	4248.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18765.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20419.11
Station: 5+800.000				
	CORTE	0.36	10.28	1686.21
	RELLENO	0.27	9.45	10116.13
	CARPETA ASF. (1800LB)	0.73	14.60	4263.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18830.23
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20489.53
Station: 5+820.000				
	CORTE	0.09	4.54	1690.75
	RELLENO	0.86	11.25	10127.37

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	4277.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18894.90
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20559.94
Station: 5+840.000				
	CORTE	0.21	3.00	1693.75
	RELLENO	1.13	19.89	10147.26
	CARPETA ASF. (1800LB)	0.73	14.60	4292.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	18959.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20630.36
Station: 5+860.000				
	CORTE	0.04	2.55	1696.29
	RELLENO	1.01	21.41	10168.68
	CARPETA ASF. (1800LB)	0.73	14.60	4307.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19024.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20700.78
Station: 5+880.000				
	CORTE	0.00	0.44	1696.73
	RELLENO	1.15	21.60	10190.28
	CARPETA ASF. (1800LB)	0.73	14.60	4321.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19088.92
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20771.19
Station: 5+900.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	1.92	30.68	10220.96
	CARPETA ASF. (1800LB)	0.73	14.60	4336.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19153.59
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20841.61
Station: 5+920.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	2.34	42.57	10263.53
	CARPETA ASF. (1800LB)	0.73	14.60	4350.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19218.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20912.03
Station: 5+940.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	3.71	60.53	10324.06
	CARPETA ASF. (1800LB)	0.73	14.60	4365.41

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19282.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	20982.45
Station: 5+960.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	2.06	57.78	10381.83
	CARPETA ASF. (1800LB)	0.73	14.60	4380.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19347.61
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21052.86
Station: 5+980.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	1.81	38.78	10420.61
	CARPETA ASF. (1800LB)	0.73	14.60	4394.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19412.28
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21123.28
Station: 6+000.000				
	CORTE	0.00	0.00	1696.73
	RELLENO	2.46	42.79	10463.41
	CARPETA ASF. (1800LB)	0.73	14.60	4409.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19476.95
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21193.70
Station: 6+020.000				
	CORTE	0.03	0.26	1696.99
	RELLENO	1.20	36.65	10500.06
	CARPETA ASF. (1800LB)	0.73	14.60	4423.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19541.62
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21264.11
Station: 6+040.000				
	CORTE	0.69	7.17	1704.16
	RELLENO	0.65	18.47	10518.52
	CARPETA ASF. (1800LB)	0.73	14.60	4438.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19606.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21334.53
Station: 6+060.000				
	CORTE	0.87	15.61	1719.77
	RELLENO	0.32	9.67	10528.20
	CARPETA ASF. (1800LB)	0.73	14.60	4453.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19670.97

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21404.95
Station: 6+080.000				
	CORTE	1.03	19.05	1738.82
	RELLENO	0.12	4.42	10532.62
	CARPETA ASF. (1800LB)	0.73	14.60	4467.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19735.64
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21475.36
Station: 6+100.000				
	CORTE	0.80	18.35	1757.17
	RELLENO	0.15	2.68	10535.30
	CARPETA ASF. (1800LB)	0.73	14.60	4482.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19800.31
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21545.78
Station: 6+120.000				
	CORTE	0.09	8.95	1766.11
	RELLENO	0.81	9.58	10544.87
	CARPETA ASF. (1800LB)	0.73	14.60	4496.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19864.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21616.20
Station: 6+140.000				
	CORTE	0.69	7.88	1773.99
	RELLENO	0.47	12.82	10557.69
	CARPETA ASF. (1800LB)	0.73	14.60	4511.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19929.66
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21686.62
Station: 6+160.000				
	CORTE	0.49	11.84	1785.84
	RELLENO	0.14	6.07	10563.77
	CARPETA ASF. (1800LB)	0.73	14.60	4526.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	19994.33
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21757.03
Station: 6+180.000				
	CORTE	0.28	7.67	1793.51
	RELLENO	0.36	5.02	10568.78
	CARPETA ASF. (1800LB)	0.73	14.60	4540.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20059.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21827.45

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 6+200.000				
	CORTE	0.09	3.64	1797.15
	RELLENO	0.65	10.17	10578.95
	CARPETA ASF. (1800LB)	0.73	14.60	4555.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20123.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21897.87
Station: 6+220.000				
	CORTE	0.00	0.88	1798.02
	RELLENO	2.04	26.95	10605.91
	CARPETA ASF. (1800LB)	0.73	14.60	4569.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20188.35
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	21968.28
Station: 6+240.000				
	CORTE	0.00	0.00	1798.02
	RELLENO	3.16	51.99	10657.90
	CARPETA ASF. (1800LB)	0.73	14.60	4584.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20253.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22038.70
Station: 6+260.000				
	CORTE	0.00	0.00	1798.02
	RELLENO	8.85	120.04	10777.94
	CARPETA ASF. (1800LB)	0.73	14.60	4599.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20317.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22109.12
Station: 6+280.000				
	CORTE	0.00	0.00	1798.02
	RELLENO	2.67	115.15	10893.09
	CARPETA ASF. (1800LB)	0.73	14.60	4613.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20382.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22179.53
Station: 6+300.000				
	CORTE	0.00	0.00	1798.02
	RELLENO	1.50	41.67	10934.77
	CARPETA ASF. (1800LB)	0.73	14.60	4628.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20447.04
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22249.95
Station: 6+320.000				
	CORTE	0.00	0.00	1798.02

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	1.06	25.57	10960.34
	CARPETA ASF. (1800LB)	0.73	14.60	4642.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20511.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22320.37
Station: 6+340.000				
	CORTE	0.24	2.43	1800.45
	RELLENO	0.32	13.78	10974.12
	CARPETA ASF. (1800LB)	0.73	14.60	4657.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20576.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22390.79
Station: 6+360.000				
	CORTE	0.08	3.23	1803.69
	RELLENO	0.43	7.57	10981.69
	CARPETA ASF. (1800LB)	0.73	14.60	4672.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20641.05
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22461.20
Station: 6+380.000				
	CORTE	1.02	10.97	1814.66
	RELLENO	0.12	5.58	10987.27
	CARPETA ASF. (1800LB)	0.73	14.60	4686.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20705.72
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22531.62
Station: 6+400.000				
	CORTE	1.10	21.13	1835.79
	RELLENO	0.20	3.28	10990.55
	CARPETA ASF. (1800LB)	0.73	14.60	4701.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20770.40
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22602.04
Station: 6+420.000				
	CORTE	1.38	24.78	1860.56
	RELLENO	0.38	5.82	10996.37
	CARPETA ASF. (1800LB)	0.73	14.60	4715.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20835.07
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22672.45
Station: 6+440.000				
	CORTE	1.81	31.93	1892.49
	RELLENO	0.08	4.54	11000.91

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	4730.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20899.74
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22742.87
Station: 6+460.000				
	CORTE	1.38	31.95	1924.43
	RELLENO	0.10	1.73	11002.63
	CARPETA ASF. (1800LB)	0.73	14.60	4745.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	20964.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22813.29
Station: 6+480.000				
	CORTE	0.86	22.48	1946.92
	RELLENO	0.20	2.98	11005.61
	CARPETA ASF. (1800LB)	0.73	14.60	4759.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21029.09
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22883.71
Station: 6+500.000				
	CORTE	0.63	14.96	1961.88
	RELLENO	0.20	4.07	11009.69
	CARPETA ASF. (1800LB)	0.73	14.60	4774.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21093.76
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	22954.12
Station: 6+520.000				
	CORTE	0.14	7.70	1969.58
	RELLENO	0.14	3.45	11013.14
	CARPETA ASF. (1800LB)	0.73	14.60	4788.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21158.43
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23024.54
Station: 6+540.000				
	CORTE	0.00	1.39	1970.97
	RELLENO	1.15	12.88	11026.02
	CARPETA ASF. (1800LB)	0.73	14.60	4803.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21223.10
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23094.96
Station: 6+560.000				
	CORTE	0.00	0.00	1970.97
	RELLENO	1.81	29.55	11055.57
	CARPETA ASF. (1800LB)	0.73	14.60	4818.01

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21287.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23165.37
Station: 6+580.000				
	CORTE	0.00	0.00	1970.97
	RELLENO	3.12	49.25	11104.82
	CARPETA ASF. (1800LB)	0.73	14.60	4832.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21352.45
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23235.79
Station: 6+600.000				
	CORTE	0.00	0.00	1970.97
	RELLENO	0.79	39.07	11143.89
	CARPETA ASF. (1800LB)	0.73	14.60	4847.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21417.12
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23306.21
Station: 6+620.000				
	CORTE	0.00	0.00	1970.97
	RELLENO	1.77	25.55	11169.45
	CARPETA ASF. (1800LB)	0.73	14.60	4861.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21481.79
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23376.62
Station: 6+640.000				
	CORTE	0.00	0.03	1971.00
	RELLENO	0.76	25.22	11194.67
	CARPETA ASF. (1800LB)	0.73	14.60	4876.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21546.46
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23447.04
Station: 6+660.000				
	CORTE	0.47	4.70	1975.70
	RELLENO	0.26	10.19	11204.85
	CARPETA ASF. (1800LB)	0.73	14.60	4891.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21611.14
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23517.46
Station: 6+680.000				
	CORTE	1.45	19.13	1994.83
	RELLENO	0.14	4.04	11208.89
	CARPETA ASF. (1800LB)	0.73	14.60	4905.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21675.81

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23587.88
Station: 6+700.000				
	CORTE	3.62	50.70	2045.52
	RELLENO	0.00	1.41	11210.30
	CARPETA ASF. (1800LB)	0.73	14.60	4920.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21740.48
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23658.29
Station: 6+720.000				
	CORTE	4.57	81.94	2127.46
	RELLENO	0.04	0.38	11210.68
	CARPETA ASF. (1800LB)	0.73	14.60	4934.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21805.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23728.71
Station: 6+740.000				
	CORTE	0.00	45.70	2173.16
	RELLENO	4.69	47.29	11257.96
	CARPETA ASF. (1800LB)	0.73	14.60	4949.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21869.83
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23799.13
Station: 6+760.000				
	CORTE	0.00	0.00	2173.16
	RELLENO	2.87	75.63	11333.59
	CARPETA ASF. (1800LB)	0.73	14.60	4964.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21934.50
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23869.54
Station: 6+780.000				
	CORTE	0.00	0.00	2173.16
	RELLENO	1.38	42.57	11376.16
	CARPETA ASF. (1800LB)	0.73	14.60	4978.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	21999.17
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	23939.96
Station: 6+800.000				
	CORTE	0.11	1.07	2174.23
	RELLENO	0.42	18.03	11394.19
	CARPETA ASF. (1800LB)	0.73	14.60	4993.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22063.84
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24010.38

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 6+820.000				
	CORTE	0.32	4.26	2178.49
	RELLENO	0.24	6.61	11400.80
	CARPETA ASF. (1800LB)	0.73	14.60	5007.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22128.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24080.79
Station: 6+840.000				
	CORTE	0.00	3.20	2181.69
	RELLENO	0.74	9.78	11410.57
	CARPETA ASF. (1800LB)	0.73	14.60	5022.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22193.19
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24151.21
Station: 6+860.000				
	CORTE	0.29	2.87	2184.56
	RELLENO	0.18	9.12	11419.69
	CARPETA ASF. (1800LB)	0.73	14.60	5037.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22257.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24221.63
Station: 6+880.000				
	CORTE	0.20	4.81	2189.38
	RELLENO	1.35	15.27	11434.96
	CARPETA ASF. (1800LB)	0.73	14.60	5051.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22322.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24292.05
Station: 6+900.000				
	CORTE	0.01	2.06	2191.44
	RELLENO	0.89	22.44	11457.40
	CARPETA ASF. (1800LB)	0.73	14.60	5066.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22387.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24362.46
Station: 6+920.000				
	CORTE	0.00	0.10	2191.54
	RELLENO	0.88	17.72	11475.12
	CARPETA ASF. (1800LB)	0.73	14.60	5080.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22451.88
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24432.88
Station: 6+940.000				
	CORTE	0.00	0.00	2191.54

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	2.98	38.56	11513.68
	CARPETA ASF. (1800LB)	0.73	14.60	5095.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22516.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24503.30
Station: 6+960.000				
	CORTE	0.00	0.00	2191.54
	RELLENO	1.09	40.62	11554.30
	CARPETA ASF. (1800LB)	0.73	14.60	5110.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22581.22
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24573.71
Station: 6+980.000				
	CORTE	0.00	0.00	2191.54
	RELLENO	0.89	19.78	11574.08
	CARPETA ASF. (1800LB)	0.73	14.60	5124.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22645.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24644.13
Station: 7+000.000				
	CORTE	0.45	4.47	2196.01
	RELLENO	0.11	10.01	11584.09
	CARPETA ASF. (1800LB)	0.73	14.60	5139.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22710.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24714.55
Station: 7+020.000				
	CORTE	0.38	8.29	2204.30
	RELLENO	0.11	2.19	11586.28
	CARPETA ASF. (1800LB)	0.73	14.60	5153.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22775.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24784.96
Station: 7+040.000				
	CORTE	0.15	5.35	2209.65
	RELLENO	9.33	94.36	11680.64
	CARPETA ASF. (1800LB)	0.73	14.60	5168.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22839.91
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24855.38
Station: 7+060.000				
	CORTE	0.28	4.33	2213.98
	RELLENO	0.18	95.02	11775.66

CANTIDADES DE OBRA -TAURA				
ABSCISA	**Area Type**	**Area**	**Inc.Volumen**	**Cum.Vulumen**
	CARPETA ASF. (1800LB)	0.73	14.60	5183.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22904.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24925.80
Station: 7+080.000				
	CORTE	0.00	2.83	2216.81
	RELLENO	0.46	6.36	11782.02
	CARPETA ASF. (1800LB)	0.73	14.60	5197.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	22969.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	24996.22
Station: 7+100.000				
	CORTE	0.00	0.04	2216.85
	RELLENO	0.36	8.21	11790.23
	CARPETA ASF. (1800LB)	0.73	14.60	5212.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23033.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25066.63
Station: 7+120.000				
	CORTE	0.00	0.02	2216.87
	RELLENO	0.44	8.01	11798.24
	CARPETA ASF. (1800LB)	0.73	14.60	5226.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23098.60
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25137.05
Station: 7+140.000				
	CORTE	0.18	1.80	2218.67
	RELLENO	0.14	5.83	11804.07
	CARPETA ASF. (1800LB)	0.73	14.60	5241.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23163.27
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25207.47
Station: 7+160.000				
	CORTE	0.01	1.91	2220.58
	RELLENO	0.50	6.39	11810.46
	CARPETA ASF. (1800LB)	0.73	14.60	5256.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23227.95
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25277.88
Station: 7+180.000				
	CORTE	0.06	0.76	2221.34
	RELLENO	0.15	6.47	11816.93
	CARPETA ASF. (1800LB)	0.73	14.60	5270.61

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23292.62
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25348.30
Station: 7+200.000				
	CORTE	0.01	0.74	2222.08
	RELLENO	0.39	5.46	11822.38
	CARPETA ASF. (1800LB)	0.73	14.60	5285.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23357.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25418.72
Station: 7+220.000				
	CORTE	0.00	0.10	2222.18
	RELLENO	0.92	13.17	11835.56
	CARPETA ASF. (1800LB)	0.73	14.60	5299.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23421.96
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25489.13
Station: 7+240.000				
	CORTE	0.00	0.00	2222.18
	RELLENO	0.74	16.58	11852.14
	CARPETA ASF. (1800LB)	0.73	14.60	5314.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23486.64
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25559.55
Station: 7+260.000				
	CORTE	0.19	1.88	2224.06
	RELLENO	0.40	11.37	11863.50
	CARPETA ASF. (1800LB)	0.73	14.60	5329.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23551.31
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25629.97
Station: 7+280.000				
	CORTE	0.32	5.10	2229.16
	RELLENO	0.40	8.06	11871.56
	CARPETA ASF. (1800LB)	0.73	14.60	5343.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23615.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25700.39
Station: 7+300.000				
	CORTE	0.72	10.44	2239.59
	RELLENO	0.11	5.10	11876.67
	CARPETA ASF. (1800LB)	0.73	14.60	5358.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23680.65

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25770.80
Station: 7+320.000				
	CORTE	0.59	13.14	2252.73
	RELLENO	0.03	1.39	11878.05
	CARPETA ASF. (1800LB)	0.73	14.60	5372.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23745.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25841.22
Station: 7+340.000				
	CORTE	0.00	6.01	2258.74
	RELLENO	0.30	3.32	11881.38
	CARPETA ASF. (1800LB)	0.73	14.60	5387.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23810.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25911.64
Station: 7+360.000				
	CORTE	0.00	0.09	2258.83
	RELLENO	0.70	10.04	11891.42
	CARPETA ASF. (1800LB)	0.73	14.60	5402.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23874.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	25982.05
Station: 7+380.000				
	CORTE	0.22	2.18	2261.01
	RELLENO	1.16	18.66	11910.08
	CARPETA ASF. (1800LB)	0.73	14.60	5416.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	23939.34
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26052.47
Station: 7+400.000				
	CORTE	1.61	18.24	2279.25
	RELLENO	0.00	11.62	11921.70
	CARPETA ASF. (1800LB)	0.73	14.60	5431.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24004.01
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26122.89
Station: 7+420.000				
	CORTE	1.24	28.49	2307.74
	RELLENO	0.02	0.23	11921.93
	CARPETA ASF. (1800LB)	0.73	14.60	5445.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24068.69
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26193.31

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 7+440.000				
	CORTE	2.76	40.00	2347.74
	RELLENO	0.00	0.23	11922.16
	CARPETA ASF. (1800LB)	0.73	14.60	5460.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24133.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26263.72
Station: 7+460.000				
	CORTE	2.21	49.68	2397.42
	RELLENO	5.20	51.96	11974.12
	CARPETA ASF. (1800LB)	0.73	14.60	5475.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24198.03
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26334.14
Station: 7+480.000				
	CORTE	1.60	38.12	2435.54
	RELLENO	0.00	51.96	12026.08
	CARPETA ASF. (1800LB)	0.73	14.60	5489.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24262.70
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26404.56
Station: 7+500.000				
	CORTE	0.96	25.62	2461.16
	RELLENO	0.00	0.00	12026.08
	CARPETA ASF. (1800LB)	0.73	14.60	5504.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24327.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26474.97
Station: 7+520.000				
	CORTE	0.39	13.54	2474.70
	RELLENO	0.22	2.17	12028.25
	CARPETA ASF. (1800LB)	0.73	14.60	5518.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24392.05
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26545.39
Station: 7+540.000				
	CORTE	0.00	3.93	2478.63
	RELLENO	0.80	10.15	12038.40
	CARPETA ASF. (1800LB)	0.73	14.60	5533.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24456.72
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26615.81
Station: 7+560.000				
	CORTE	0.00	0.00	2478.63

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	1.60	23.97	12062.37
	CARPETA ASF. (1800LB)	0.73	14.60	5548.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24521.39
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26686.22
Station: 7+580.000				
	CORTE	0.00	0.09	2478.72
	RELLENO	0.37	19.70	12082.07
	CARPETA ASF. (1800LB)	0.73	14.60	5562.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24586.06
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26756.64
Station: 7+600.000				
	CORTE	0.35	3.62	2482.34
	RELLENO	0.04	4.13	12086.20
	CARPETA ASF. (1800LB)	0.73	14.60	5577.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24650.74
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26827.06
Station: 7+620.000				
	CORTE	0.17	5.20	2487.54
	RELLENO	0.34	3.80	12090.00
	CARPETA ASF. (1800LB)	0.73	14.60	5591.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24715.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26897.48
Station: 7+640.000				
	CORTE	0.14	3.08	2490.62
	RELLENO	0.22	5.62	12095.62
	CARPETA ASF. (1800LB)	0.73	14.60	5606.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24780.08
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	26967.89
Station: 7+660.000				
	CORTE	0.00	1.41	2492.03
	RELLENO	1.66	18.83	12114.45
	CARPETA ASF. (1800LB)	0.73	14.60	5621.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24844.75
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27038.31
Station: 7+680.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.59	32.54	12146.99

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	5635.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24909.43
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27108.73
Station: 7+700.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.28	28.78	12175.77
	CARPETA ASF. (1800LB)	0.73	14.60	5650.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	24974.10
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27179.14
Station: 7+720.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.62	29.03	12204.80
	CARPETA ASF. (1800LB)	0.73	14.60	5664.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25038.77
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27249.56
Station: 7+740.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.60	32.19	12236.99
	CARPETA ASF. (1800LB)	0.73	14.60	5679.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25103.44
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27319.98
Station: 7+760.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.52	31.20	12268.19
	CARPETA ASF. (1800LB)	0.73	14.60	5694.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25168.12
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27390.39
Station: 7+780.000				
	CORTE	0.00	0.00	2492.03
	RELLENO	1.06	25.76	12293.95
	CARPETA ASF. (1800LB)	0.73	14.60	5708.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25232.79
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27460.81
Station: 7+800.000				
	CORTE	0.33	3.27	2495.30
	RELLENO	1.00	20.58	12314.53
	CARPETA ASF. (1800LB)	0.73	14.60	5723.21

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25297.46
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27531.23
Station: 7+820.000				
	CORTE	0.16	4.90	2500.20
	RELLENO	12.34	133.42	12447.95
	CARPETA ASF. (1800LB)	0.73	14.60	5737.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25362.13
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27601.65
Station: 7+840.000				
	CORTE	0.02	1.83	2502.04
	RELLENO	0.32	126.58	12574.54
	CARPETA ASF. (1800LB)	0.73	14.60	5752.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25426.81
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27672.06
Station: 7+860.000				
	CORTE	0.00	0.20	2502.23
	RELLENO	2.29	26.10	12600.64
	CARPETA ASF. (1800LB)	0.73	14.60	5767.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25491.48
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27742.48
Station: 7+880.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	2.18	44.70	12645.34
	CARPETA ASF. (1800LB)	0.73	14.60	5781.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25556.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27812.90
Station: 7+900.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	1.64	38.17	12683.51
	CARPETA ASF. (1800LB)	0.73	14.60	5796.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25620.82
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27883.31
Station: 7+920.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	2.19	38.23	12721.74
	CARPETA ASF. (1800LB)	0.73	14.60	5810.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25685.49

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	27953.73
Station: 7+940.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	1.89	40.72	12762.46
	CARPETA ASF. (1800LB)	0.73	14.60	5825.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25750.17
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28024.15
Station: 7+960.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	1.57	34.61	12797.08
	CARPETA ASF. (1800LB)	0.73	14.60	5840.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25814.84
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28094.56
Station: 7+980.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	2.24	38.16	12835.24
	CARPETA ASF. (1800LB)	0.73	14.60	5854.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25879.51
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28164.98
Station: 8+000.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	2.27	45.14	12880.38
	CARPETA ASF. (1800LB)	0.73	14.60	5869.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	25944.18
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28235.40
Station: 8+020.000				
	CORTE	0.00	0.00	2502.23
	RELLENO	3.57	58.41	12938.78
	CARPETA ASF. (1800LB)	0.73	14.60	5883.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26008.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28305.82
Station: 8+040.000				
	CORTE	0.24	2.37	2504.61
	RELLENO	0.21	37.80	12976.58
	CARPETA ASF. (1800LB)	0.73	14.60	5898.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26073.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28376.23

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 8+060.000				
	CORTE	0.00	2.38	2506.99
	RELLENO	0.15	3.64	12980.22
	CARPETA ASF. (1800LB)	0.73	14.60	5913.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26138.20
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28446.65
Station: 8+080.000				
	CORTE	0.10	1.01	2508.00
	RELLENO	0.34	4.92	12985.14
	CARPETA ASF. (1800LB)	0.73	14.60	5927.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26202.87
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28517.07
Station: 8+100.000				
	CORTE	0.72	8.23	2516.23
	RELLENO	0.03	3.75	12988.89
	CARPETA ASF. (1800LB)	0.73	14.60	5942.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26267.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28587.48
Station: 8+120.000				
	CORTE	0.82	15.40	2531.64
	RELLENO	0.00	0.35	12989.24
	CARPETA ASF. (1800LB)	0.73	14.60	5956.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26332.22
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28657.90
Station: 8+140.000				
	CORTE	0.21	10.26	2541.90
	RELLENO	0.40	3.97	12993.21
	CARPETA ASF. (1800LB)	0.73	14.60	5971.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26396.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28728.32
Station: 8+160.000				
	CORTE	0.17	3.75	2545.65
	RELLENO	0.03	4.31	12997.52
	CARPETA ASF. (1800LB)	0.73	14.60	5986.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26461.56
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28798.73
Station: 8+180.000				
	CORTE	0.04	2.01	2547.66

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.10	1.36	12998.88
	CARPETA ASF. (1800LB)	0.73	14.60	6000.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26526.24
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28869.15
Station: 8+200.000				
	CORTE	0.00	0.35	2548.01
	RELLENO	0.72	8.17	13007.06
	CARPETA ASF. (1800LB)	0.73	14.60	6015.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26590.91
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	28939.57
Station: 8+220.000				
	CORTE	0.00	0.00	2548.01
	RELLENO	0.54	12.58	13019.64
	CARPETA ASF. (1800LB)	0.73	14.60	6029.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26655.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29009.99
Station: 8+240.000				
	CORTE	0.04	0.44	2548.45
	RELLENO	1.12	16.60	13036.24
	CARPETA ASF. (1800LB)	0.73	14.60	6044.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26720.25
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29080.40
Station: 8+260.000				
	CORTE	0.34	3.88	2552.33
	RELLENO	0.07	11.89	13048.13
	CARPETA ASF. (1800LB)	0.73	14.60	6059.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26784.92
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29150.82
Station: 8+280.000				
	CORTE	0.11	4.51	2556.84
	RELLENO	0.23	3.05	13051.19
	CARPETA ASF. (1800LB)	0.73	14.60	6073.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26849.60
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29221.24
Station: 8+300.000				
	CORTE	0.22	3.26	2560.10
	RELLENO	0.43	6.62	13057.80

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	6088.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26914.27
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29291.65
Station: 8+320.000				
	CORTE	0.09	3.11	2563.21
	RELLENO	0.18	6.03	13063.83
	CARPETA ASF. (1800LB)	0.73	14.60	6102.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	26978.94
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29362.07
Station: 8+340.000				
	CORTE	0.02	1.11	2564.32
	RELLENO	0.25	4.28	13068.11
	CARPETA ASF. (1800LB)	0.73	14.60	6117.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27043.61
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29432.49
Station: 8+360.000				
	CORTE	0.14	1.56	2565.88
	RELLENO	0.37	6.21	13074.33
	CARPETA ASF. (1800LB)	0.73	14.60	6132.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27108.29
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29502.91
Station: 8+380.000				
	CORTE	0.10	2.34	2568.22
	RELLENO	0.64	10.12	13084.44
	CARPETA ASF. (1800LB)	0.73	14.60	6146.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27172.96
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29573.32
Station: 8+400.000				
	CORTE	0.00	1.03	2569.25
	RELLENO	0.61	12.55	13096.99
	CARPETA ASF. (1800LB)	0.73	14.60	6161.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27237.63
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29643.74
Station: 8+420.000				
	CORTE	0.00	0.06	2569.31
	RELLENO	0.83	14.44	13111.43
	CARPETA ASF. (1800LB)	0.73	14.60	6175.81

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27302.30
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29714.16
Station: 8+440.000				
	CORTE	0.17	1.72	2571.03
	RELLENO	1.68	25.11	13136.54
	CARPETA ASF. (1800LB)	0.73	14.60	6190.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27366.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29784.57
Station: 8+460.000				
	CORTE	2.34	25.13	2596.16
	RELLENO	0.95	26.27	13162.81
	CARPETA ASF. (1800LB)	0.73	14.60	6205.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27431.65
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29854.99
Station: 8+480.000				
	CORTE	0.00	23.40	2619.56
	RELLENO	1.14	20.94	13183.75
	CARPETA ASF. (1800LB)	0.73	14.60	6219.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27496.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29925.41
Station: 8+500.000				
	CORTE	0.00	0.00	2619.56
	RELLENO	4.08	52.28	13236.03
	CARPETA ASF. (1800LB)	0.73	14.60	6234.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27560.99
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	29995.82
Station: 8+520.000				
	CORTE	0.00	0.00	2619.56
	RELLENO	2.08	61.95	13297.98
	CARPETA ASF. (1800LB)	0.73	14.60	6248.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27625.66
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	30066.24
Station: 8+540.000				
	CORTE	0.00	0.00	2619.56
	RELLENO	0.99	30.76	13328.74
	CARPETA ASF. (1800LB)	0.73	14.60	6263.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	27690.34

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.41	30136.66
Station: 8+560.000				
	CORTE	0.47	4.68	2624.24
	RELLENO	0.07	10.66	13339.40
	CARPETA ASF. (1800LB)	0.73	14.60	6278.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.65	27754.99
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	70.35	30207.01
Station: 8+580.000				
	CORTE	0.39	8.54	2632.78
	RELLENO	0.32	3.91	13343.31
	CARPETA ASF. (1800LB)	0.73	14.60	6292.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.61	27819.59
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	70.22	30277.22
Station: 8+600.000				
	CORTE	0.01	4.00	2636.78
	RELLENO	1.08	13.94	13357.25
	CARPETA ASF. (1800LB)	0.73	14.60	6307.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.56	27884.15
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	70.07	30347.29
Station: 8+620.000				
	CORTE	0.00	0.14	2636.91
	RELLENO	1.59	26.75	13384.00
	CARPETA ASF. (1800LB)	0.73	14.60	6321.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	27948.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.97	30417.26
Station: 8+640.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	3.99	56.02	13440.02
	CARPETA ASF. (1800LB)	0.73	14.60	6336.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28013.19
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.95	30487.21
Station: 8+660.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	2.91	69.25	13509.27
	CARPETA ASF. (1800LB)	0.73	14.60	6351.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28077.71
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30557.17

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 8+680.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	4.55	74.90	13584.17
	CARPETA ASF. (1800LB)	0.73	14.60	6365.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28142.23
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30627.12
Station: 8+700.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	3.43	80.08	13664.25
	CARPETA ASF. (1800LB)	0.73	14.60	6380.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28206.74
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30697.08
Station: 8+720.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	2.89	63.32	13727.58
	CARPETA ASF. (1800LB)	0.73	14.60	6394.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28271.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30767.03
Station: 8+740.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	2.25	51.55	13779.12
	CARPETA ASF. (1800LB)	0.73	14.60	6409.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28335.78
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30836.99
Station: 8+760.000				
	CORTE	0.00	0.00	2636.91
	RELLENO	2.46	47.43	13826.55
	CARPETA ASF. (1800LB)	0.73	14.60	6424.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28400.30
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30906.94
Station: 8+780.000				
	CORTE	0.02	0.22	2637.14
	RELLENO	2.28	47.93	13874.48
	CARPETA ASF. (1800LB)	0.73	14.60	6438.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28464.82
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	30976.90
Station: 8+800.000				
	CORTE	0.11	1.29	2638.42

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	RELLENO	0.64	29.61	13904.09
	CARPETA ASF. (1800LB)	0.73	14.60	6453.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28529.34
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	31046.85
Station: 8+820.000				
	CORTE	0.06	1.68	2640.10
	RELLENO	2.62	33.11	13937.20
	CARPETA ASF. (1800LB)	0.73	14.60	6467.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28593.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	31116.81
Station: 8+840.000				
	CORTE	0.00	0.61	2640.71
	RELLENO	0.58	32.46	13969.66
	CARPETA ASF. (1800LB)	0.73	14.60	6482.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28658.38
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	31186.76
Station: 8+860.000				
	CORTE	0.06	0.57	2641.28
	RELLENO	2.17	27.87	13997.53
	CARPETA ASF. (1800LB)	0.73	14.60	6497.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28722.89
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	31256.72
Station: 8+880.000				
	CORTE	0.43	4.85	2646.13
	RELLENO	0.11	23.11	14020.63
	CARPETA ASF. (1800LB)	0.73	14.60	6511.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28787.41
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.96	31326.67
Station: 8+900.000				
	CORTE	0.55	9.75	2655.88
	RELLENO	3.49	36.52	14057.16
	CARPETA ASF. (1800LB)	0.73	14.60	6526.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28851.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.95	31396.63
Station: 8+920.000				
	CORTE	0.21	7.52	2663.40
	RELLENO	0.35	38.92	14096.08

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	CARPETA ASF. (1800LB)	0.73	14.60	6540.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.52	28916.45
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	69.95	31466.58
Station: 8+940.000				
	CORTE	0.00	2.07	2665.47
	RELLENO	1.56	19.05	14115.13
	CARPETA ASF. (1800LB)	0.73	14.60	6555.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.54	28980.98
	SUB BASE CLASE A-MATERIAL GRANULAR	3.50	70.01	31536.59
Station: 8+960.000				
	CORTE	0.02	0.16	2665.63
	RELLENO	1.53	30.88	14146.01
	CARPETA ASF. (1800LB)	0.73	14.60	6570.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.58	29045.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.51	70.14	31606.73
Station: 8+980.000				
	CORTE	0.00	0.16	2665.79
	RELLENO	1.30	28.32	14174.33
	CARPETA ASF. (1800LB)	0.73	14.60	6584.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.63	29110.20
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.29	31677.03
Station: 9+000.000				
	CORTE	0.00	0.00	2665.79
	RELLENO	0.70	19.98	14194.31
	CARPETA ASF. (1800LB)	0.73	14.60	6599.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.66	29174.86
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.39	31747.42
Station: 9+020.000				
	CORTE	0.00	0.00	2665.79
	RELLENO	0.66	13.55	14207.86
	CARPETA ASF. (1800LB)	0.73	14.60	6613.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29239.53
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	31817.84
Station: 9+040.000				
	CORTE	0.00	0.00	2665.79
	RELLENO	0.47	11.27	14219.12
	CARPETA ASF. (1800LB)	0.73	14.60	6628.41

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29304.21
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	31888.25
Station: 9+060.000				
	CORTE	0.00	0.01	2665.80
	RELLENO	0.43	9.02	14228.15
	CARPETA ASF. (1800LB)	0.73	14.60	6643.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29368.88
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	31958.67
Station: 9+080.000				
	CORTE	0.00	0.01	2665.82
	RELLENO	0.60	10.32	14238.47
	CARPETA ASF. (1800LB)	0.73	14.60	6657.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29433.55
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32029.09
Station: 9+100.000				
	CORTE	0.00	0.00	2665.82
	RELLENO	0.93	15.26	14253.72
	CARPETA ASF. (1800LB)	0.73	14.60	6672.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29498.22
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32099.50
Station: 9+120.000				
	CORTE	0.03	0.31	2666.13
	RELLENO	0.35	12.73	14266.46
	CARPETA ASF. (1800LB)	0.73	14.60	6686.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29562.90
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32169.92
Station: 9+140.000				
	CORTE	0.00	0.31	2666.45
	RELLENO	0.54	8.83	14275.29
	CARPETA ASF. (1800LB)	0.73	14.60	6701.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29627.57
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32240.34
Station: 9+160.000				
	CORTE	0.00	0.00	2666.45
	RELLENO	4.11	46.50	14321.79
	CARPETA ASF. (1800LB)	0.73	14.60	6716.01
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29692.24

CANTIDADES DE OBRA -TAURA

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32310.76
Station: 9+180.000				
	CORTE	0.33	3.31	2669.76
	RELLENO	0.24	43.56	14365.36
	CARPETA ASF. (1800LB)	0.73	14.60	6730.61
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29756.91
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32381.17
Station: 9+200.000				
	CORTE	1.12	14.55	2684.31
	RELLENO	0.00	2.43	14367.78
	CARPETA ASF. (1800LB)	0.73	14.60	6745.21
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29821.58
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32451.59
Station: 9+220.000				
	CORTE	1.20	23.19	2707.50
	RELLENO	0.52	5.22	14373.00
	CARPETA ASF. (1800LB)	0.73	14.60	6759.81
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29886.26
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32522.01
Station: 9+240.000				
	CORTE	8.06	92.48	2799.98
	RELLENO	0.00	5.29	14378.29
	CARPETA ASF. (1800LB)	0.73	14.60	6774.41
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	29950.93
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	32592.42
Station: 9+242.905				
	CORTE	9.55	25.57	2825.55
	RELLENO	0.00	0.00	14378.29
	CARPETA ASF. (1800LB)	0.73	2.12	6776.53
	BASE CLASE A-MATERIAL TRITURADO	3.23	9.39	29960.32
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	10.23	32602.65

TOTAL	VOLUMEN M3	AREA M2
CORTE	2825.55	-
RELLENO	14378.29	-
CARPETA ASF. (1800LB)	6776.53	67473.148
BASE CLASE A-MATERIAL TRITURADO	29960.32	-
SUB BASE CLASE A-MATERIAL GRANULAR	32602.65	-
IMPRIMACION ASFALTICA	-	95201.84

CANTIDADES DE OBRA RAMAL

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
		Sq.m.	Cu.m.	Cu.m.
Station: 0+000.000				
	CORTE	10.50	0.00	0.00
	RELLENO	0.00	0.00	0.00
	CARPETA ASF. (1800LB)	0.73	0.00	0.00
	BASE CLASE A-MATERIAL TRITURADO	3.23	0.00	0.00
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	0.00	0.00
Station: 0+020.000				
	CORTE	5.40	159.02	159.02
	RELLENO	0.00	0.00	0.00
	CARPETA ASF. (1800LB)	0.73	14.60	14.60
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	64.67
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	70.42
Station: 0+040.000				
	CORTE	3.55	89.52	248.55
	RELLENO	0.00	0.02	0.02
	CARPETA ASF. (1800LB)	0.73	14.60	29.20
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	129.34
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	140.83
Station: 0+060.000				
	CORTE	2.18	57.32	305.87
	RELLENO	0.03	0.34	0.36
	CARPETA ASF. (1800LB)	0.73	14.60	43.80
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	194.02
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	211.25
Station: 0+080.000				
	CORTE	0.33	25.15	331.02
	RELLENO	0.27	2.96	3.32
	CARPETA ASF. (1800LB)	0.73	14.60	58.40
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	258.69

CANTIDADES DE OBRA RAMAL

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	281.67
Station: 0+100.000				
	CORTE	0.03	3.61	334.63
	RELLENO	0.51	7.81	11.14
	CARPETA ASF. (1800LB)	0.73	14.60	73.00
	BASE CLASE A-MATERIAL TRITURADO	3.23	64.67	323.36
	SUB BASE CLASE A-MATERIAL GRANULAR	3.52	70.42	352.09
Station: 0+120.000				
	CORTE	0.47	5.01	339.64
	RELLENO	0.27	7.86	19.00
	CARPETA ASF. (1800LB)	0.84	15.70	88.70
	BASE CLASE A-MATERIAL TRITURADO	3.58	68.16	391.52
	SUB BASE CLASE A-MATERIAL GRANULAR	3.88	73.97	426.06

CANTIDADES DE OBRA RAMAL

ABSCISA	Area Type	Area	Inc.Volumen	Cum.Vulumen
Station: 0+140.000				
	CORTE	1.39	18.66	358.30
	RELLENO	3.17	34.46	53.46
	CARPETA ASF. (1800LB)	2.72	35.55	124.25
	BASE CLASE A-MATERIAL TRITURADO	8.90	124.81	516.33
	SUB BASE CLASE A-MATERIAL GRANULAR	9.00	128.76	554.82
Station: 0+143.351				
	CORTE	0.94	3.92	362.21
	RELLENO	2.08	8.80	62.27
	CARPETA ASF. (1800LB)	3.00	9.57	133.82
	BASE CLASE A-MATERIAL TRITURADO	9.00	29.98	546.31
	SUB BASE CLASE A-MATERIAL GRANULAR	9.00	30.15	584.97

TOTAL	VOLUMEN M3	AREA M2
CORTE	362.21	
RELLENO	62.27	
CARPETA ASF. (1800LB)	133.82	1046.46
BASE CLASE A-MATERIAL TRITURADO	546.31	-
SUB BASE CLASE A-MATERIAL GRANULAR	584.97	-
IMPRIMACION AREA M2		1476.52

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
0+000.000	10.11	0.00	0.00	0.00	0.00	0.00
0+020.000	6.15	0.00	0.00	162.61	0.00	162.61
0+040.000	6.36	0.00	0.00	124.74	0.00	287.35
0+060.000	4.14	0.03	0.38	101.20	0.38	388.55
0+080.000	3.08	0.11	1.65	68.15	2.03	456.70
0+100.000	1.01	0.00	1.30	38.82	3.33	495.52
0+120.000	0.00	5.74	57.46	10.14	60.79	505.66
0+140.000	1.41	0.01	59.44	13.83	120.23	519.49
0+160.000	0.28	0.84	8.04	16.70	128.27	536.19
0+180.000	0.13	2.15	27.63	4.43	155.90	540.62
0+200.000	0.00	5.05	71.95	1.35	227.86	541.97
0+220.000	0.00	6.53	114.93	0.00	342.79	541.97
0+240.000	0.00	4.03	104.44	0.00	447.23	541.97
0+260.000	0.00	5.07	90.81	0.00	538.04	541.97
0+280.000	0.00	4.25	92.99	0.00	631.04	541.97
0+300.000	0.00	2.92	71.64	0.00	702.68	541.97
0+320.000	0.00	2.69	56.18	0.00	758.86	541.97
0+340.000	0.00	2.61	53.03	0.00	811.89	541.97
0+360.000	0.00	2.26	48.71	0.00	860.60	541.97
0+380.000	0.00	2.48	47.36	0.00	907.96	541.97
0+400.000	0.00	1.82	42.92	0.00	950.87	541.97
0+420.000	0.00	12.65	144.70	0.00	1095.58	541.97
0+440.000	0.00	1.80	144.51	0.00	1240.09	541.97
0+460.000	0.00	2.26	40.58	0.00	1280.67	541.97
0+480.000	0.00	1.89	41.49	0.00	1322.16	541.97
0+500.000	0.00	1.19	30.77	0.00	1352.93	541.97
0+520.000	0.08	0.81	20.00	0.81	1372.92	542.78
0+540.000	0.00	1.10	19.14	0.81	1392.07	543.58
0+560.000	0.24	1.96	30.62	2.37	1422.68	545.96
0+580.000	0.01	1.15	31.04	2.50	1453.72	548.45
0+600.000	0.01	0.41	15.60	0.24	1469.33	548.70
0+620.000	0.00	1.12	15.36	0.12	1484.68	548.82
0+640.000	0.00	1.46	25.82	0.00	1510.50	548.82
0+660.000	0.00	0.82	22.81	0.08	1533.31	548.90
0+680.000	0.03	1.14	19.64	0.42	1552.95	549.32
0+700.000	0.07	0.66	18.02	1.08	1570.97	550.40
0+720.000	0.01	1.04	16.97	0.83	1587.94	551.24
0+740.000	0.14	0.57	16.06	1.45	1604.00	552.69
0+760.000	0.67	0.39	9.57	8.06	1613.57	560.74
0+780.000	0.81	0.51	8.97	14.83	1622.54	575.57
0+800.000	0.69	0.15	6.61	15.04	1629.15	590.61
0+820.000	0.75	0.39	5.39	14.42	1634.54	605.03
0+840.000	0.38	0.41	7.98	11.27	1642.52	616.30
0+860.000	0.10	0.64	10.48	4.76	1653.00	621.06
0+880.000	0.11	0.62	12.57	2.05	1665.57	623.11
0+900.000	0.52	0.38	10.06	6.27	1675.63	629.38
0+920.000	0.66	0.57	9.55	11.77	1685.18	641.15
0+940.000	0.30	0.31	8.83	9.54	1694.01	650.69
0+960.000	0.12	3.50	38.17	4.20	1732.18	654.90
0+980.000	0.08	1.03	45.36	2.04	1777.54	656.94
1+000.000	0.03	1.01	20.42	1.08	1797.96	658.02
1+020.000	0.00	1.64	26.46	0.26	1824.43	658.28
1+040.000	0.00	1.20	28.34	0.00	1852.76	658.28
1+060.000	0.00	1.41	26.09	0.06	1878.85	658.34
1+080.000	0.20	0.77	21.77	2.04	1900.62	660.38
1+100.000	0.43	0.37	11.34	6.31	1911.96	666.69
1+120.000	0.36	0.73	11.02	7.92	1922.98	674.61
1+140.000	0.00	1.61	23.44	3.59	1946.42	678.19
1+160.000	0.00	2.35	39.63	0.00	1986.05	678.19
1+180.000	0.00	1.75	41.07	0.00	2027.12	678.19

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
1+200.000	0.00	1.58	33.36	0.00	2060.48	678.19
1+220.000	0.11	0.97	25.57	1.13	2086.05	679.32
1+240.000	0.06	0.83	18.01	1.70	2104.05	681.02
1+260.000	0.00	5.28	61.08	0.57	2165.13	681.59
1+280.000	0.07	14.55	198.34	0.74	2363.47	682.33
1+300.000	0.01	7.01	215.67	0.88	2579.14	683.21
1+320.000	0.12	1.39	84.03	1.30	2663.17	684.51
1+340.000	0.00	2.46	38.55	1.20	2701.72	685.71
1+360.000	0.00	2.71	51.74	0.04	2753.46	685.75
1+380.000	0.00	2.18	48.94	0.00	2802.40	685.75
1+400.000	0.00	1.13	33.11	0.00	2835.51	685.75
1+420.000	0.03	1.38	25.10	0.30	2860.61	686.05
1+440.000	0.13	1.11	24.95	1.62	2885.56	687.66
1+460.000	0.06	1.76	28.72	1.94	2914.28	689.60
1+480.000	0.00	1.27	30.26	0.62	2944.54	690.22
1+500.000	0.00	3.64	49.04	0.00	2993.59	690.22
1+520.000	0.00	3.49	71.31	0.00	3064.90	690.22
1+540.000	0.00	3.16	66.51	0.00	3131.41	690.22
1+560.000	0.00	2.33	54.85	0.00	3186.26	690.22
1+580.000	0.00	2.48	48.04	0.00	3234.30	690.22
1+600.000	0.00	2.57	50.48	0.00	3284.78	690.22
1+620.000	0.00	2.66	52.32	0.00	3337.11	690.22
1+640.000	0.00	2.95	56.14	0.00	3393.25	690.22
1+660.000	0.00	4.33	72.81	0.00	3466.06	690.22
1+680.000	0.00	4.20	85.32	0.00	3551.38	690.22
1+700.000	0.00	1.86	60.60	0.00	3611.99	690.22
1+720.000	0.01	1.76	36.20	0.11	3648.19	690.33
1+740.000	0.00	2.83	45.95	0.11	3694.14	690.45
1+760.000	0.00	2.13	49.63	0.00	3743.77	690.45
1+780.000	0.00	12.88	150.11	0.00	3893.88	690.45
1+800.000	0.00	2.53	154.14	0.00	4048.02	690.45
1+820.000	0.04	2.25	47.82	0.39	4095.84	690.83
1+840.000	0.03	2.36	46.09	0.70	4141.93	691.53
1+860.000	0.24	1.58	39.45	2.72	4181.38	694.25
1+880.000	0.29	1.30	28.89	5.30	4210.27	699.55
1+900.000	0.12	1.88	31.87	4.15	4242.14	703.71
1+920.000	0.02	2.57	44.55	1.41	4286.69	705.11
1+940.000	0.00	2.39	49.62	0.16	4336.31	705.27
1+960.000	0.00	1.81	42.03	0.00	4378.34	705.27
1+980.000	0.00	2.44	42.57	0.00	4420.90	705.27
2+000.000	0.00	2.57	50.16	0.00	4471.06	705.27
2+020.000	0.00	2.48	50.55	0.00	4521.61	705.27
2+040.000	0.00	3.08	55.58	0.00	4577.18	705.27
2+060.000	0.00	3.28	63.53	0.00	4640.71	705.27
2+080.000	0.00	4.66	79.41	0.00	4720.12	705.27
2+100.000	0.00	2.99	76.58	0.00	4796.70	705.27
2+120.000	0.00	3.71	66.99	0.00	4863.69	705.27
2+140.000	0.00	2.24	59.47	0.00	4923.16	705.27
2+160.000	0.16	0.77	30.13	1.56	4953.29	706.83
2+180.000	0.21	1.10	18.72	3.64	4972.01	710.47
2+200.000	0.00	1.35	24.45	2.08	4996.46	712.55
2+220.000	0.00	2.07	34.14	0.00	5030.60	712.56
2+240.000	0.00	1.34	34.11	0.00	5064.71	712.56
2+260.000	0.00	1.07	24.14	0.00	5088.86	712.56
2+280.000	0.00	1.48	25.54	0.04	5114.40	712.60
2+300.000	0.07	1.16	26.43	0.72	5140.83	713.33
2+320.000	0.46	0.87	20.30	5.34	5161.13	718.66
2+340.000	0.89	0.70	15.69	13.54	5176.82	732.20
2+360.000	0.84	0.64	13.40	17.25	5190.22	749.45
2+380.000	0.89	0.50	11.40	17.22	5201.62	766.68

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
2+400.000	1.22	0.36	8.64	21.08	5210.26	787.75
2+420.000	1.31	0.13	4.93	25.29	5215.19	813.05
2+440.000	1.40	0.12	2.50	27.12	5217.69	840.16
2+460.000	0.81	0.20	3.22	22.15	5220.91	862.32
2+480.000	0.66	0.21	4.09	14.73	5225.00	877.04
2+500.000	0.68	0.09	3.01	13.46	5228.01	890.50
2+520.000	1.52	0.07	1.59	22.03	5229.61	912.53
2+540.000	0.92	0.12	1.88	24.36	5231.49	936.89
2+560.000	1.19	0.68	8.02	21.05	5239.51	957.94
2+580.000	0.76	0.31	9.88	19.43	5249.39	977.37
2+600.000	0.53	0.30	6.04	12.91	5255.43	990.28
2+620.000	0.67	0.40	6.95	12.05	5262.39	1002.33
2+640.000	0.38	0.82	12.18	10.49	5274.57	1012.82
2+660.000	0.00	1.59	24.07	3.79	5298.63	1016.61
2+680.000	0.30	1.15	27.36	3.03	5325.99	1019.65
2+700.000	0.17	1.09	22.43	4.76	5348.42	1024.41
2+720.000	0.01	1.37	24.67	1.83	5373.10	1026.24
2+740.000	0.00	9.89	112.62	0.12	5485.72	1026.35
2+760.000	0.03	0.42	103.12	0.30	5588.84	1026.65
2+780.000	0.05	0.76	11.85	0.76	5600.70	1027.41
2+800.000	0.19	0.73	14.95	2.42	5615.65	1029.84
2+820.000	0.30	1.98	27.14	4.92	5642.79	1034.75
2+840.000	0.47	0.79	27.76	7.68	5670.55	1042.43
2+860.000	0.45	0.40	11.93	9.23	5682.48	1051.66
2+880.000	0.86	0.06	4.59	13.13	5687.07	1064.79
2+900.000	0.54	0.25	3.12	14.04	5690.19	1078.84
2+920.000	0.56	0.97	12.26	10.98	5702.45	1089.82
2+940.000	0.41	0.39	13.66	9.70	5716.11	1099.52
2+960.000	0.32	0.52	9.13	7.37	5725.24	1106.89
2+980.000	0.24	1.18	16.97	5.61	5742.21	1112.50
3+000.000	0.62	0.75	19.24	8.60	5761.45	1121.10
3+020.000	0.62	0.58	13.32	12.42	5774.77	1133.51
3+040.000	0.64	0.41	9.92	12.56	5784.69	1146.08
3+060.000	0.68	0.25	6.55	13.12	5791.25	1159.20
3+080.000	0.26	0.90	11.47	9.41	5802.72	1168.61
3+100.000	0.23	0.88	17.86	4.96	5820.58	1173.57
3+120.000	0.00	1.12	20.09	2.41	5840.67	1175.98
3+140.000	0.00	2.09	32.16	0.09	5872.83	1176.07
3+160.000	0.00	2.05	41.44	0.00	5914.28	1176.07
3+180.000	0.00	2.46	45.11	0.00	5959.39	1176.07
3+200.000	0.00	2.04	45.03	0.00	6004.42	1176.07
3+220.000	0.00	1.62	36.65	0.00	6041.07	1176.07
3+240.000	0.00	2.37	39.92	0.00	6080.99	1176.07
3+260.000	0.00	2.21	45.77	0.00	6126.76	1176.07
3+280.000	0.00	2.46	46.69	0.00	6173.45	1176.07
3+300.000	0.00	2.44	49.01	0.00	6222.46	1176.07
3+320.000	0.00	3.82	62.59	0.00	6285.05	1176.07
3+340.000	0.00	4.41	82.32	0.00	6367.37	1176.07
3+360.000	0.00	4.01	84.25	0.00	6451.62	1176.07
3+380.000	0.00	4.02	80.35	0.00	6531.97	1176.07
3+400.000	0.00	3.74	77.64	0.00	6609.61	1176.07
3+420.000	0.00	3.10	68.45	0.00	6678.05	1176.07
3+440.000	0.00	3.32	64.20	0.00	6742.26	1176.07
3+460.000	0.00	4.72	80.37	0.00	6822.63	1176.07
3+480.000	0.00	3.58	82.99	0.00	6905.62	1176.07
3+500.000	0.00	1.61	51.91	0.00	6957.53	1176.07
3+520.000	0.02	2.19	38.04	0.23	6995.57	1176.30
3+540.000	0.00	1.15	33.41	0.25	7028.98	1176.55
3+560.000	0.07	0.68	18.31	0.68	7047.29	1177.23
3+580.000	0.03	0.89	15.74	0.99	7063.03	1178.22

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
3+600.000	0.00	1.24	21.28	0.34	7084.31	1178.56
3+620.000	0.03	1.75	29.86	0.26	7114.17	1178.82
3+640.000	0.01	1.03	27.79	0.37	7141.96	1179.19
3+660.000	0.10	0.44	14.68	1.08	7156.64	1180.27
3+680.000	0.47	0.77	12.13	5.71	7168.77	1185.97
3+700.000	0.33	0.52	12.92	8.01	7181.70	1193.98
3+720.000	0.28	0.73	12.47	6.06	7194.16	1200.04
3+740.000	1.11	0.05	7.82	13.90	7201.98	1213.94
3+760.000	1.02	0.26	3.09	21.29	7205.07	1235.23
3+780.000	0.89	0.15	4.02	19.07	7209.09	1254.31
3+800.000	0.41	0.60	7.51	13.05	7216.60	1267.36
3+820.000	0.22	0.63	12.33	6.36	7228.93	1273.72
3+840.000	0.00	1.21	18.37	2.21	7247.30	1275.93
3+860.000	0.00	1.91	31.19	0.00	7278.49	1275.93
3+880.000	0.00	1.95	38.58	0.00	7317.07	1275.93
3+900.000	0.00	1.94	38.84	0.00	7355.92	1275.93
3+920.000	0.00	0.71	26.44	0.00	7382.36	1275.93
3+940.000	0.00	1.07	17.81	0.02	7400.17	1275.95
3+960.000	0.02	1.06	21.34	0.22	7421.51	1276.17
3+980.000	0.00	1.93	29.90	0.21	7451.42	1276.37
4+000.000	0.07	1.42	33.49	0.69	7484.91	1277.07
4+020.000	0.26	0.25	16.71	3.34	7501.62	1280.40
4+040.000	0.29	1.37	16.20	5.53	7517.82	1285.93
4+060.000	0.34	0.57	19.38	6.31	7537.20	1292.24
4+080.000	0.37	1.02	15.87	7.11	7553.07	1299.35
4+100.000	0.64	0.00	10.26	10.12	7563.33	1309.48
4+120.000	0.33	1.11	11.19	9.70	7574.52	1319.17
4+140.000	0.47	0.27	13.79	7.92	7588.31	1327.09
4+160.000	0.50	0.99	12.54	9.65	7600.85	1336.74
4+180.000	0.17	0.60	15.89	6.70	7616.73	1343.43
4+200.000	0.29	0.47	10.76	4.60	7627.49	1348.03
4+220.000	0.46	0.97	14.42	7.51	7641.91	1355.55
4+240.000	0.41	0.59	15.59	8.73	7657.50	1364.28
4+260.000	0.37	0.90	14.91	7.80	7672.41	1372.08
4+280.000	0.13	0.76	16.58	5.02	7688.99	1377.10
4+300.000	0.13	1.55	23.06	2.59	7712.05	1379.69
4+320.000	0.03	1.81	33.55	1.60	7745.60	1381.29
4+340.000	0.14	0.42	22.25	1.79	7767.85	1383.08
4+360.000	0.09	0.78	12.02	2.31	7779.88	1385.39
4+380.000	0.15	1.99	27.73	2.40	7807.61	1387.78
4+400.000	0.00	1.50	34.87	1.61	7842.48	1389.40
4+420.000	0.00	2.35	38.43	0.08	7880.91	1389.47
4+440.000	0.00	1.49	38.37	0.00	7919.28	1389.48
4+460.000	0.01	1.67	31.62	0.12	7950.90	1389.60
4+480.000	0.02	3.38	50.54	0.28	8001.43	1389.88
4+500.000	0.00	2.74	61.26	0.23	8062.70	1390.11
4+520.000	0.00	2.95	56.94	0.07	8119.63	1390.17
4+540.000	0.00	1.13	40.80	0.00	8160.43	1390.17
4+560.000	0.05	1.10	22.34	0.45	8182.77	1390.62
4+580.000	0.23	2.99	40.98	2.76	8223.75	1393.38
4+600.000	0.30	2.15	51.45	5.32	8275.20	1398.70
4+620.000	0.28	1.56	37.08	5.81	8312.28	1404.51
4+640.000	0.42	2.54	40.94	6.99	8353.22	1411.51
4+660.000	0.53	0.70	32.34	9.51	8385.56	1421.02
4+680.000	0.33	1.79	24.86	8.62	8410.43	1429.63
4+700.000	0.07	0.87	26.62	3.99	8437.05	1433.62
4+720.000	0.07	0.86	17.32	1.36	8454.36	1434.97
4+740.000	0.26	0.64	14.97	3.24	8469.33	1438.22
4+760.000	0.00	1.02	16.63	2.63	8485.95	1440.84
4+780.000	0.54	0.82	18.40	5.45	8504.35	1446.29

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
4+800.000	0.38	0.20	10.18	9.22	8514.53	1455.51
4+820.000	0.00	1.16	13.61	3.82	8528.14	1459.33
4+840.000	0.00	1.58	27.34	0.00	8555.48	1459.33
4+860.000	0.00	1.68	32.52	0.00	8588.00	1459.33
4+880.000	0.00	1.73	34.08	0.00	8622.07	1459.33
4+900.000	0.00	1.87	36.01	0.00	8658.08	1459.33
4+920.000	0.00	2.63	44.97	0.00	8703.05	1459.33
4+940.000	0.03	1.04	36.70	0.26	8739.75	1459.59
4+960.000	0.05	1.16	21.98	0.78	8761.73	1460.37
4+980.000	0.13	1.07	22.27	1.83	8784.00	1462.20
5+000.000	0.03	0.59	16.58	1.58	8800.58	1463.77
5+020.000	0.02	1.29	18.73	0.45	8819.31	1464.22
5+040.000	0.17	0.56	18.47	1.86	8837.77	1466.08
5+060.000	0.30	0.64	12.03	4.66	8849.81	1470.74
5+080.000	0.30	0.52	11.63	5.97	8861.44	1476.71
5+100.000	0.78	0.45	9.70	10.81	8871.14	1487.52
5+120.000	1.00	0.48	9.29	17.81	8880.43	1505.33
5+140.000	0.41	0.32	8.01	14.04	8888.44	1519.38
5+160.000	0.07	0.75	10.70	4.75	8899.14	1524.13
5+180.000	0.00	1.58	23.34	0.70	8922.48	1524.83
5+200.000	0.00	0.95	25.36	0.00	8947.84	1524.83
5+220.000	0.00	1.70	26.49	0.00	8974.33	1524.83
5+240.000	0.00	1.29	29.88	0.00	9004.21	1524.83
5+260.000	0.00	1.42	27.14	0.00	9031.34	1524.83
5+280.000	0.00	3.14	45.60	0.00	9076.95	1524.83
5+300.000	0.00	2.72	58.62	0.00	9135.56	1524.83
5+320.000	0.00	5.27	79.98	0.00	9215.54	1524.83
5+340.000	0.00	4.19	94.64	0.00	9310.18	1524.83
5+360.000	0.00	4.37	85.57	0.00	9395.75	1524.83
5+380.000	0.00	4.41	87.76	0.00	9483.51	1524.83
5+400.000	0.00	3.78	81.86	0.00	9565.37	1524.83
5+420.000	0.00	4.07	78.46	0.00	9643.83	1524.83
5+440.000	0.00	2.50	65.67	0.00	9709.50	1524.83
5+460.000	0.00	1.75	42.45	0.05	9751.94	1524.88
5+480.000	0.00	1.54	32.89	0.05	9784.83	1524.93
5+500.000	0.12	0.84	23.88	1.22	9808.71	1526.15
5+520.000	0.43	0.96	17.99	5.48	9826.70	1531.63
5+540.000	0.64	3.62	45.78	10.63	9872.48	1542.26
5+560.000	0.88	1.16	47.74	15.14	9920.22	1557.41
5+580.000	0.21	2.70	38.62	10.88	9958.83	1568.28
5+600.000	0.34	0.73	34.38	5.55	9993.21	1573.83
5+620.000	0.46	0.98	17.18	7.99	10010.39	1581.83
5+640.000	0.43	0.34	13.27	8.84	10023.67	1590.66
5+660.000	0.12	0.71	10.51	5.50	10034.18	1596.16
5+680.000	1.15	0.98	16.89	12.70	10051.07	1608.86
5+700.000	0.66	0.33	13.11	18.04	10064.18	1626.90
5+720.000	0.89	0.42	7.48	15.44	10071.66	1642.34
5+740.000	0.52	0.59	10.13	14.10	10081.79	1656.44
5+760.000	0.38	0.61	12.02	9.04	10093.80	1665.48
5+780.000	0.66	0.68	12.87	10.45	10106.67	1675.93
5+800.000	0.36	0.27	9.45	10.28	10116.13	1686.21
5+820.000	0.09	0.86	11.25	4.54	10127.37	1690.75
5+840.000	0.21	1.13	19.89	3.00	10147.26	1693.75
5+860.000	0.04	1.01	21.41	2.55	10168.68	1696.29
5+880.000	0.00	1.15	21.60	0.44	10190.28	1696.73
5+900.000	0.00	1.92	30.68	0.00	10220.96	1696.73
5+920.000	0.00	2.34	42.57	0.00	10263.53	1696.73
5+940.000	0.00	3.71	60.53	0.00	10324.06	1696.73
5+960.000	0.00	2.06	57.78	0.00	10381.83	1696.73
5+980.000	0.00	1.81	38.78	0.00	10420.61	1696.73

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
6+000.000	0.00	2.46	42.79	0.00	10463.41	1696.73
6+020.000	0.03	1.20	36.65	0.26	10500.06	1696.99
6+040.000	0.69	0.65	18.47	7.17	10518.52	1704.16
6+060.000	0.87	0.32	9.67	15.61	10528.20	1719.77
6+080.000	1.03	0.12	4.42	19.05	10532.62	1738.82
6+100.000	0.80	0.15	2.68	18.35	10535.30	1757.17
6+120.000	0.09	0.81	9.58	8.95	10544.87	1766.11
6+140.000	0.69	0.47	12.82	7.88	10557.69	1773.99
6+160.000	0.49	0.14	6.07	11.84	10563.77	1785.84
6+180.000	0.28	0.36	5.02	7.67	10568.78	1793.51
6+200.000	0.09	0.65	10.17	3.64	10578.95	1797.15
6+220.000	0.00	2.04	26.95	0.88	10605.91	1798.02
6+240.000	0.00	3.16	51.99	0.00	10657.90	1798.02
6+260.000	0.00	8.85	120.04	0.00	10777.94	1798.02
6+280.000	0.00	2.67	115.15	0.00	10893.09	1798.02
6+300.000	0.00	1.50	41.67	0.00	10934.77	1798.02
6+320.000	0.00	1.06	25.57	0.00	10960.34	1798.02
6+340.000	0.24	0.32	13.78	2.43	10974.12	1800.45
6+360.000	0.08	0.43	7.57	3.23	10981.69	1803.69
6+380.000	1.02	0.12	5.58	10.97	10987.27	1814.66
6+400.000	1.10	0.20	3.28	21.13	10990.55	1835.79
6+420.000	1.38	0.38	5.82	24.78	10996.37	1860.56
6+440.000	1.81	0.08	4.54	31.93	11000.91	1892.49
6+460.000	1.38	0.10	1.73	31.95	11002.63	1924.43
6+480.000	0.86	0.20	2.98	22.48	11005.61	1946.92
6+500.000	0.63	0.20	4.07	14.96	11009.69	1961.88
6+520.000	0.14	0.14	3.45	7.70	11013.14	1969.58
6+540.000	0.00	1.15	12.88	1.39	11026.02	1970.97
6+560.000	0.00	1.81	29.55	0.00	11055.57	1970.97
6+580.000	0.00	3.12	49.25	0.00	11104.82	1970.97
6+600.000	0.00	0.79	39.07	0.00	11143.89	1970.97
6+620.000	0.00	1.77	25.55	0.00	11169.45	1970.97
6+640.000	0.00	0.76	25.22	0.03	11194.67	1971.00
6+660.000	0.47	0.26	10.19	4.70	11204.85	1975.70
6+680.000	1.45	0.14	4.04	19.13	11208.89	1994.83
6+700.000	3.62	0.00	1.41	50.70	11210.30	2045.52
6+720.000	4.57	0.04	0.38	81.94	11210.68	2127.46
6+740.000	0.00	4.69	47.29	45.70	11257.96	2173.16
6+760.000	0.00	2.87	75.63	0.00	11333.59	2173.16
6+780.000	0.00	1.38	42.57	0.00	11376.16	2173.16
6+800.000	0.11	0.42	18.03	1.07	11394.19	2174.23
6+820.000	0.32	0.24	6.61	4.26	11400.80	2178.49
6+840.000	0.00	0.74	9.78	3.20	11410.57	2181.69
6+860.000	0.29	0.18	9.12	2.87	11419.69	2184.56
6+880.000	0.20	1.35	15.27	4.81	11434.96	2189.38
6+900.000	0.01	0.89	22.44	2.06	11457.40	2191.44
6+920.000	0.00	0.88	17.72	0.10	11475.12	2191.54
6+940.000	0.00	2.98	38.56	0.00	11513.68	2191.54
6+960.000	0.00	1.09	40.62	0.00	11554.30	2191.54
6+980.000	0.00	0.89	19.78	0.00	11574.08	2191.54
7+000.000	0.45	0.11	10.01	4.47	11584.09	2196.01
7+020.000	0.38	0.11	2.19	8.29	11586.28	2204.30
7+040.000	0.15	9.33	94.36	5.35	11680.64	2209.65
7+060.000	0.28	0.18	95.02	4.33	11775.66	2213.98
7+080.000	0.00	0.46	6.36	2.83	11782.02	2216.81
7+100.000	0.00	0.36	8.21	0.04	11790.23	2216.85
7+120.000	0.00	0.44	8.01	0.02	11798.24	2216.87
7+140.000	0.18	0.14	5.83	1.80	11804.07	2218.67
7+160.000	0.01	0.50	6.39	1.91	11810.46	2220.58
7+180.000	0.06	0.15	6.47	0.76	11816.93	2221.34

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
7+200.000	0.01	0.39	5.46	0.74	11822.38	2222.08
7+220.000	0.00	0.92	13.17	0.10	11835.56	2222.18
7+240.000	0.00	0.74	16.58	0.00	11852.14	2222.18
7+260.000	0.19	0.40	11.37	1.88	11863.50	2224.06
7+280.000	0.32	0.40	8.06	5.10	11871.56	2229.16
7+300.000	0.72	0.11	5.10	10.44	11876.67	2239.59
7+320.000	0.59	0.03	1.39	13.14	11878.05	2252.73
7+340.000	0.00	0.30	3.32	6.01	11881.38	2258.74
7+360.000	0.00	0.70	10.04	0.09	11891.42	2258.83
7+380.000	0.22	1.16	18.66	2.18	11910.08	2261.01
7+400.000	1.61	0.00	11.62	18.24	11921.70	2279.25
7+420.000	1.24	0.02	0.23	28.49	11921.93	2307.74
7+440.000	2.76	0.00	0.23	40.00	11922.16	2347.74
7+460.000	2.21	5.20	51.96	49.68	11974.12	2397.42
7+480.000	1.60	0.00	51.96	38.12	12026.08	2435.54
7+500.000	0.96	0.00	0.00	25.62	12026.08	2461.16
7+520.000	0.39	0.22	2.17	13.54	12028.25	2474.70
7+540.000	0.00	0.80	10.15	3.93	12038.40	2478.63
7+560.000	0.00	1.60	23.97	0.00	12062.37	2478.63
7+580.000	0.00	0.37	19.70	0.09	12082.07	2478.72
7+600.000	0.35	0.04	4.13	3.62	12086.20	2482.34
7+620.000	0.17	0.34	3.80	5.20	12090.00	2487.54
7+640.000	0.14	0.22	5.62	3.08	12095.62	2490.62
7+660.000	0.00	1.66	18.83	1.41	12114.45	2492.03
7+680.000	0.00	1.59	32.54	0.00	12146.99	2492.03
7+700.000	0.00	1.28	28.78	0.00	12175.77	2492.03
7+720.000	0.00	1.62	29.03	0.00	12204.80	2492.03
7+740.000	0.00	1.60	32.19	0.00	12236.99	2492.03
7+760.000	0.00	1.52	31.20	0.00	12268.19	2492.03
7+780.000	0.00	1.06	25.76	0.00	12293.95	2492.03
7+800.000	0.33	1.00	20.58	3.27	12314.53	2495.30
7+820.000	0.16	12.34	133.42	4.90	12447.95	2500.20
7+840.000	0.02	0.32	126.58	1.83	12574.54	2502.04
7+860.000	0.00	2.29	26.10	0.20	12600.64	2502.23
7+880.000	0.00	2.18	44.70	0.00	12645.34	2502.23
7+900.000	0.00	1.64	38.17	0.00	12683.51	2502.23
7+920.000	0.00	2.19	38.23	0.00	12721.74	2502.23
7+940.000	0.00	1.89	40.72	0.00	12762.46	2502.23
7+960.000	0.00	1.57	34.61	0.00	12797.08	2502.23
7+980.000	0.00	2.24	38.16	0.00	12835.24	2502.23
8+000.000	0.00	2.27	45.14	0.00	12880.38	2502.23
8+020.000	0.00	3.57	58.41	0.00	12938.78	2502.23
8+040.000	0.24	0.21	37.80	2.37	12976.58	2504.61
8+060.000	0.00	0.15	3.64	2.38	12980.22	2506.99
8+080.000	0.10	0.34	4.92	1.01	12985.14	2508.00
8+100.000	0.72	0.03	3.75	8.23	12988.89	2516.23

MOVIMIENTO DE TIERRA -TAURA

ABSCISA	A. CORTE (m2)	A. RELLENO (m2)	VOLUMEN RELLENO(m3)	VOLUMEN CORTE(m3)	V.A RELLENO (m3)	V.A CORTE (m3)
8+120.000	0.82	0.00	0.35	15.40	12989.24	2531.64
8+140.000	0.21	0.40	3.97	10.26	12993.21	2541.90
8+160.000	0.17	0.03	4.31	3.75	12997.52	2545.65
8+180.000	0.04	0.10	1.36	2.01	12998.88	2547.66
8+200.000	0.00	0.72	8.17	0.35	13007.06	2548.01
8+220.000	0.00	0.54	12.58	0.00	13019.64	2548.01
8+240.000	0.04	1.12	16.60	0.44	13036.24	2548.45
8+260.000	0.34	0.07	11.89	3.88	13048.13	2552.33
8+280.000	0.11	0.23	3.05	4.51	13051.19	2556.84
8+300.000	0.22	0.43	6.62	3.26	13057.80	2560.10
8+320.000	0.09	0.18	6.03	3.11	13063.83	2563.21
8+340.000	0.02	0.25	4.28	1.11	13068.11	2564.32
8+360.000	0.14	0.37	6.21	1.56	13074.33	2565.88
8+380.000	0.10	0.64	10.12	2.34	13084.44	2568.22
8+400.000	0.00	0.61	12.55	1.03	13096.99	2569.25
8+420.000	0.00	0.83	14.44	0.06	13111.43	2569.31
8+440.000	0.17	1.68	25.11	1.72	13136.54	2571.03
8+460.000	2.34	0.95	26.27	25.13	13162.81	2596.16
8+480.000	0.00	1.14	20.94	23.40	13183.75	2619.56
8+500.000	0.00	4.08	52.28	0.00	13236.03	2619.56
8+520.000	0.00	2.08	61.95	0.00	13297.98	2619.56
8+540.000	0.00	0.99	30.76	0.00	13328.74	2619.56
8+560.000	0.47	0.07	10.66	4.68	13339.40	2624.24
8+580.000	0.39	0.32	3.91	8.54	13343.31	2632.78
8+600.000	0.01	1.08	13.94	4.00	13357.25	2636.78
8+620.000	0.00	1.59	26.75	0.14	13384.00	2636.91
8+640.000	0.00	3.99	56.02	0.00	13440.02	2636.91
8+660.000	0.00	2.91	69.25	0.00	13509.27	2636.91
8+680.000	0.00	4.55	74.90	0.00	13584.17	2636.91
8+700.000	0.00	3.43	80.08	0.00	13664.25	2636.91
8+720.000	0.00	2.89	63.32	0.00	13727.58	2636.91
8+740.000	0.00	2.25	51.55	0.00	13779.12	2636.91
8+760.000	0.00	2.46	47.43	0.00	13826.55	2636.91
8+780.000	0.02	2.28	47.93	0.22	13874.48	2637.14
8+800.000	0.11	0.64	29.61	1.29	13904.09	2638.42
8+820.000	0.06	2.62	33.11	1.68	13937.20	2640.10
8+840.000	0.00	0.58	32.46	0.61	13969.66	2640.71
8+860.000	0.06	2.17	27.87	0.57	13997.53	2641.28
8+880.000	0.43	0.11	23.11	4.85	14020.63	2646.13
8+900.000	0.55	3.49	36.52	9.75	14057.16	2655.88
8+920.000	0.21	0.35	38.92	7.52	14096.08	2663.40
8+940.000	0.00	1.56	19.05	2.07	14115.13	2665.47
8+960.000	0.02	1.53	30.88	0.16	14146.01	2665.63
8+980.000	0.00	1.30	28.32	0.16	14174.33	2665.79
9+000.000	0.00	0.70	19.98	0.00	14194.31	2665.79
9+020.000	0.00	0.66	13.55	0.00	14207.86	2665.79
9+040.000	0.00	0.47	11.27	0.00	14219.12	2665.79
9+060.000	0.00	0.43	9.02	0.01	14228.15	2665.80
9+080.000	0.00	0.60	10.32	0.01	14238.47	2665.82
9+100.000	0.00	0.93	15.26	0.00	14253.72	2665.82
9+120.000	0.03	0.35	12.73	0.31	14266.46	2666.13
9+140.000	0.00	0.54	8.83	0.31	14275.29	2666.45
9+160.000	0.00	4.11	46.50	0.00	14321.79	2666.45
9+180.000	0.33	0.24	43.56	3.31	14365.36	2669.76
9+200.000	1.12	0.00	2.43	14.55	14367.78	2684.31
9+220.000	1.20	0.52	5.22	23.19	14373.00	2707.50
9+240.000	8.06	0.00	5.29	92.48	14378.29	2799.98
9+242.905	9.55	0.00	0.00	25.57	14378.29	2825.55
				TOTAL	**14378.29**	**2825.55**

RESUMEN DE CANTIDADES

" REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS."

ABCSISAS 0+000 – 9+242.905

RESUMEN DE CANTIDADES		
TOTAL	**VOLUMEN M3**	**AREA M2**
CORTE	2825.55	-
RELLENO	14378.29	-
CARPETA ASF. E=10cm (1800LB)	6776.53	67473.148
BASE CLASE A - MATERIAL TRITURADO E=30cm	29960.32	-
SUB BASE CLASE A – MATERIAL GRANULAR E=30cm	32602.65	-
IMPRIMACIÓN ASFALTICA	-	95201.84

RAMAL - ABCSISAS 0+000 – 0+143.351

RESUMEN DE CANTIDADES		
TOTAL	**VOLUMEN M3**	**AREA M2**
CORTE	362.21	-
RELLENO	62.27	-
CARPETA ASF. E=10cm (1800LB)	133.82	1046.46
BASE CLASE A - MATERIAL TRITURADO E=30cm	546.31	-
SUB BASE CLASE A – MATERIAL GRANULAR E=30cm	584.97	-
IMPRIMACIÓN ASFALTICA	-	1476.52

COORDENADAS REPLANTEO DEL EJE

Alignment Name: EJE TAURA

Station Range: Start: 0+000.00, End: 924+290.00

Station Increment: 20.00

Station	Northing	Easting	Tangential Direction
0+000.00	9,752,665.319m	644,755.228m	S24° 20' 42.3608"W
0+020.00	9,752,647.097m	644,746.983m	S24° 20' 42.3608"W
0+040.00	9,752,628.854m	644,738.789m	S21° 30' 57.0253"W
0+060.00	9,752,609.251m	644,735.760m	S3° 56' 56.2220"E
0+080.00	9,752,590.250m	644,741.454m	S29° 24' 49.4692"E
0+100.00	9,752,575.501m	644,754.732m	S52° 05' 54.2264"E
0+120.00	9,752,563.214m	644,770.514m	S52° 05' 54.2264"E
0+140.00	9,752,549.784m	644,785.241m	S37° 47' 35.7513"E
0+160.00	9,752,531.979m	644,794.054m	S14° 52' 29.8288"E
0+180.00	9,752,512.134m	644,795.388m	S3° 35' 13.5786"W
0+200.00	9,752,492.173m	644,794.137m	S3° 35' 13.5786"W
0+220.00	9,752,472.242m	644,792.537m	S7° 09' 32.8657"W
0+240.00	9,752,452.577m	644,788.948m	S13° 31' 31.1775"W
0+260.00	9,752,433.431m	644,783.201m	S19° 53' 29.4893"W
0+280.00	9,752,415.041m	644,775.367m	S26° 15' 27.8011"W
0+300.00	9,752,397.564m	644,765.654m	S30° 25' 54.5474"W
0+320.00	9,752,380.319m	644,755.524m	S30° 25' 54.5474"W
0+340.00	9,752,363.075m	644,745.393m	S30° 25' 54.5474"W
0+360.00	9,752,345.830m	644,735.263m	S30° 25' 54.5474"W
0+380.00	9,752,328.585m	644,725.133m	S30° 25' 54.5474"W
0+400.00	9,752,311.341m	644,715.003m	S30° 25' 54.5474"W
0+420.00	9,752,294.096m	644,704.872m	S30° 25' 54.5474"W
0+440.00	9,752,276.852m	644,694.742m	S30° 25' 54.5474"W
0+460.00	9,752,259.607m	644,684.612m	S30° 25' 54.5474"W
0+480.00	9,752,242.362m	644,674.482m	S30° 25' 54.5474"W
0+500.00	9,752,225.118m	644,664.351m	S30° 25' 54.5474"W
0+520.00	9,752,207.873m	644,654.221m	S30° 25' 54.5474"W
0+540.00	9,752,190.614m	644,644.115m	S30° 19' 35.4703"W
0+560.00	9,752,173.351m	644,634.016m	S30° 19' 35.4703"W
0+580.00	9,752,156.088m	644,623.918m	S30° 19' 35.4703"W
0+600.00	9,752,138.824m	644,613.819m	S30° 19' 35.4703"W
0+620.00	9,752,121.561m	644,603.721m	S30° 19' 35.4703"W
0+640.00	9,752,104.298m	644,593.622m	S30° 19' 35.4703"W
0+660.00	9,752,087.035m	644,583.524m	S30° 19' 35.4703"W
0+680.00	9,752,069.772m	644,573.425m	S30° 19' 35.4703"W
0+700.00	9,752,052.508m	644,563.326m	S30° 19' 35.4703"W
0+720.00	9,752,035.245m	644,553.228m	S30° 19' 35.4703"W
0+740.00	9,752,017.982m	644,543.129m	S30° 19' 35.4703"W
0+760.00	9,752,000.719m	644,533.031m	S30° 19' 35.4703"W
0+780.00	9,751,983.455m	644,522.932m	S30° 19' 35.4703"W
0+800.00	9,751,966.192m	644,512.834m	S30° 19' 35.4703"W
0+820.00	9,751,948.929m	644,502.735m	S30° 19' 35.4703"W
0+840.00	9,751,931.666m	644,492.637m	S30° 19' 35.4703"W
0+860.00	9,751,914.402m	644,482.538m	S30° 19' 35.4703"W

COORDENADAS REPLANTEO DEL EJE			
0+880.00	9,751,897.139m	644,472.440m	S30° 19' 35.4703"W
0+900.00	9,751,879.876m	644,462.341m	S30° 19' 35.4703"W
0+920.00	9,751,862.613m	644,452.242m	S30° 19' 35.4703"W
0+940.00	9,751,845.349m	644,442.144m	S30° 19' 35.4703"W
0+960.00	9,751,828.086m	644,432.045m	S30° 19' 35.4703"W
0+980.00	9,751,810.823m	644,421.947m	S30° 19' 35.4703"W
1+000.00	9,751,793.560m	644,411.848m	S30° 19' 45.9324"W
1+020.00	9,751,776.297m	644,401.748m	S30° 19' 45.9324"W
1+040.00	9,751,759.034m	644,391.649m	S30° 19' 45.9324"W
1+060.00	9,751,741.772m	644,381.550m	S30° 19' 45.9324"W
1+080.00	9,751,724.509m	644,371.450m	S30° 19' 45.9324"W
1+100.00	9,751,707.246m	644,361.351m	S30° 19' 45.9324"W
1+120.00	9,751,689.984m	644,351.251m	S30° 19' 45.9324"W
1+140.00	9,751,672.721m	644,341.152m	S30° 19' 45.9324"W
1+160.00	9,751,655.458m	644,331.053m	S30° 19' 45.9324"W
1+180.00	9,751,638.195m	644,320.953m	S30° 19' 45.9324"W
1+200.00	9,751,620.933m	644,310.854m	S30° 19' 45.9324"W
1+220.00	9,751,603.670m	644,300.754m	S30° 19' 45.9324"W
1+240.00	9,751,586.407m	644,290.655m	S30° 19' 45.9324"W
1+260.00	9,751,569.145m	644,280.555m	S30° 19' 45.9324"W
1+280.00	9,751,551.882m	644,270.456m	S30° 19' 45.9324"W
1+300.00	9,751,534.619m	644,260.357m	S30° 19' 45.9324"W
1+320.00	9,751,517.356m	644,250.257m	S30° 19' 45.9324"W
1+340.00	9,751,500.094m	644,240.158m	S30° 19' 45.9324"W
1+360.00	9,751,482.831m	644,230.058m	S30° 19' 45.9324"W
1+380.00	9,751,465.561m	644,219.972m	S30° 10' 58.6176"W
1+400.00	9,751,448.272m	644,209.917m	S30° 10' 58.6176"W
1+420.00	9,751,430.984m	644,199.861m	S30° 10' 58.6176"W
1+440.00	9,751,413.695m	644,189.806m	S30° 10' 58.6176"W
1+460.00	9,751,396.407m	644,179.751m	S30° 10' 58.6176"W
1+480.00	9,751,379.118m	644,169.696m	S30° 10' 58.6176"W
1+500.00	9,751,361.830m	644,159.640m	S30° 10' 58.6176"W
1+520.00	9,751,344.541m	644,149.585m	S30° 10' 58.6176"W
1+540.00	9,751,327.253m	644,139.530m	S30° 10' 58.6176"W
1+560.00	9,751,309.964m	644,129.475m	S30° 10' 58.6176"W
1+580.00	9,751,292.676m	644,119.419m	S30° 10' 58.6176"W
1+600.00	9,751,275.387m	644,109.364m	S30° 10' 58.6176"W
1+620.00	9,751,258.099m	644,099.309m	S30° 10' 58.6176"W
1+640.00	9,751,240.810m	644,089.254m	S30° 10' 58.6176"W
1+660.00	9,751,223.522m	644,079.198m	S30° 10' 58.6176"W
1+680.00	9,751,206.233m	644,069.143m	S30° 10' 58.6176"W
1+700.00	9,751,188.945m	644,059.088m	S30° 10' 58.6176"W
1+720.00	9,751,171.656m	644,049.033m	S30° 10' 58.6176"W
1+740.00	9,751,154.368m	644,038.977m	S30° 10' 58.6176"W
1+760.00	9,751,137.088m	644,028.907m	S30° 15' 44.0932"W
1+780.00	9,751,119.813m	644,018.828m	S30° 15' 44.0932"W
1+800.00	9,751,102.539m	644,008.749m	S30° 15' 44.0932"W
1+820.00	9,751,085.264m	643,998.670m	S30° 15' 44.0932"W
1+840.00	9,751,067.990m	643,988.591m	S30° 15' 44.0932"W

COORDENADAS REPLANTEO DEL EJE			
1+860.00	9,751,050.715m	643,978.511m	S30° 15' 44.0932"W
1+880.00	9,751,033.441m	643,968.432m	S30° 15' 44.0932"W
1+900.00	9,751,016.166m	643,958.353m	S30° 15' 44.0932"W
1+920.00	9,750,998.891m	643,948.274m	S30° 15' 44.0932"W
1+940.00	9,750,981.617m	643,938.195m	S30° 15' 44.0932"W
1+960.00	9,750,964.342m	643,928.115m	S30° 15' 44.0932"W
1+980.00	9,750,947.068m	643,918.036m	S30° 15' 44.0932"W
2+000.00	9,750,929.793m	643,907.957m	S30° 15' 44.0932"W
2+020.00	9,750,912.519m	643,897.878m	S30° 15' 44.0932"W
2+040.00	9,750,895.244m	643,887.799m	S30° 15' 44.0932"W
2+060.00	9,750,877.970m	643,877.720m	S30° 15' 44.0932"W
2+080.00	9,750,860.695m	643,867.640m	S30° 15' 44.0932"W
2+100.00	9,750,843.420m	643,857.561m	S30° 15' 44.0932"W
2+120.00	9,750,826.146m	643,847.482m	S30° 15' 44.0932"W
2+140.00	9,750,808.871m	643,837.403m	S30° 15' 44.0932"W
2+160.00	9,750,791.597m	643,827.324m	S30° 15' 44.0932"W
2+180.00	9,750,774.330m	643,817.231m	S30° 18' 52.4619"W
2+200.00	9,750,757.065m	643,807.136m	S30° 18' 52.4619"W
2+220.00	9,750,739.799m	643,797.041m	S30° 18' 52.4619"W
2+240.00	9,750,722.534m	643,786.947m	S30° 18' 52.4619"W
2+260.00	9,750,705.269m	643,776.852m	S30° 18' 52.4619"W
2+280.00	9,750,688.003m	643,766.757m	S30° 18' 52.4619"W
2+300.00	9,750,670.738m	643,756.662m	S30° 18' 52.4619"W
2+320.00	9,750,653.473m	643,746.567m	S30° 18' 52.4619"W
2+340.00	9,750,636.207m	643,736.472m	S30° 18' 52.4619"W
2+360.00	9,750,618.942m	643,726.377m	S30° 18' 52.4619"W
2+380.00	9,750,601.677m	643,716.282m	S30° 18' 52.4619"W
2+400.00	9,750,584.411m	643,706.187m	S30° 18' 52.4619"W
2+420.00	9,750,567.146m	643,696.092m	S30° 18' 52.4619"W
2+440.00	9,750,549.881m	643,685.997m	S30° 18' 52.4619"W
2+460.00	9,750,532.615m	643,675.902m	S30° 18' 52.4619"W
2+480.00	9,750,515.350m	643,665.807m	S30° 18' 52.4619"W
2+500.00	9,750,498.084m	643,655.712m	S30° 18' 52.4619"W
2+520.00	9,750,480.819m	643,645.617m	S30° 18' 52.4619"W
2+540.00	9,750,463.554m	643,635.522m	S30° 18' 52.4619"W
2+560.00	9,750,446.288m	643,625.427m	S30° 18' 52.4619"W
2+580.00	9,750,429.023m	643,615.332m	S30° 18' 52.4619"W
2+600.00	9,750,411.758m	643,605.238m	S30° 18' 52.4619"W
2+620.00	9,750,394.492m	643,595.143m	S30° 18' 52.4619"W
2+640.00	9,750,377.227m	643,585.048m	S30° 18' 52.4619"W
2+660.00	9,750,359.962m	643,574.953m	S30° 18' 52.4619"W
2+680.00	9,750,342.696m	643,564.858m	S30° 18' 52.4619"W
2+700.00	9,750,325.431m	643,554.763m	S30° 18' 52.4619"W
2+720.00	9,750,308.166m	643,544.668m	S30° 18' 52.4619"W
2+740.00	9,750,290.900m	643,534.573m	S30° 18' 52.4619"W
2+760.00	9,750,273.635m	643,524.478m	S30° 18' 52.4619"W
2+780.00	9,750,256.370m	643,514.383m	S30° 18' 52.4619"W
2+800.00	9,750,239.112m	643,504.275m	S30° 23' 13.6538"W
2+820.00	9,750,221.859m	643,494.158m	S30° 23' 13.6538"W

COORDENADAS REPLANTEO DEL EJE			
2+840.00	9,750,204.607m	643,484.042m	S30° 23' 13.6538"W
2+860.00	9,750,187.354m	643,473.925m	S30° 23' 13.6538"W
2+880.00	9,750,170.102m	643,463.808m	S30° 23' 13.6538"W
2+900.00	9,750,152.849m	643,453.691m	S30° 23' 13.6538"W
2+920.00	9,750,135.597m	643,443.574m	S30° 23' 13.6538"W
2+940.00	9,750,118.344m	643,433.458m	S30° 23' 13.6538"W
2+960.00	9,750,101.091m	643,423.341m	S30° 23' 13.6538"W
2+980.00	9,750,083.839m	643,413.224m	S30° 23' 13.6538"W
3+000.00	9,750,066.586m	643,403.107m	S30° 23' 13.6538"W
3+020.00	9,750,049.334m	643,392.990m	S30° 23' 13.6538"W
3+040.00	9,750,032.081m	643,382.874m	S30° 23' 13.6538"W
3+060.00	9,750,014.829m	643,372.757m	S30° 23' 13.6538"W
3+080.00	9,749,997.576m	643,362.640m	S30° 23' 13.6538"W
3+100.00	9,749,980.324m	643,352.523m	S30° 23' 13.6538"W
3+120.00	9,749,963.071m	643,342.406m	S30° 23' 13.6538"W
3+140.00	9,749,945.819m	643,332.290m	S30° 23' 13.6538"W
3+160.00	9,749,928.566m	643,322.173m	S30° 23' 13.6538"W
3+180.00	9,749,911.313m	643,312.056m	S30° 23' 13.6538"W
3+200.00	9,749,894.061m	643,301.939m	S30° 23' 13.6538"W
3+220.00	9,749,876.808m	643,291.822m	S30° 23' 13.6538"W
3+240.00	9,749,859.556m	643,281.706m	S30° 23' 13.6538"W
3+260.00	9,749,842.303m	643,271.589m	S30° 23' 13.6538"W
3+280.00	9,749,825.051m	643,261.472m	S30° 23' 13.6538"W
3+300.00	9,749,807.798m	643,251.355m	S30° 23' 13.6538"W
3+320.00	9,749,790.546m	643,241.238m	S30° 23' 13.6538"W
3+340.00	9,749,773.293m	643,231.122m	S30° 23' 13.6538"W
3+360.00	9,749,756.041m	643,221.005m	S30° 23' 13.6538"W
3+380.00	9,749,738.788m	643,210.888m	S30° 23' 13.6538"W
3+400.00	9,749,721.535m	643,200.771m	S30° 23' 13.6538"W
3+420.00	9,749,704.283m	643,190.654m	S30° 23' 13.6538"W
3+440.00	9,749,687.030m	643,180.538m	S30° 23' 13.6538"W
3+460.00	9,749,669.778m	643,170.421m	S30° 23' 13.6538"W
3+480.00	9,749,652.525m	643,160.304m	S30° 23' 13.6538"W
3+500.00	9,749,635.265m	643,150.200m	S30° 19' 15.3573"W
3+520.00	9,749,618.001m	643,140.103m	S30° 19' 15.3573"W
3+540.00	9,749,600.737m	643,130.006m	S30° 19' 15.3573"W
3+560.00	9,749,583.472m	643,119.910m	S30° 19' 15.3573"W
3+580.00	9,749,566.208m	643,109.813m	S30° 19' 15.3573"W
3+600.00	9,749,548.944m	643,099.716m	S30° 19' 15.3573"W
3+620.00	9,749,531.680m	643,089.619m	S30° 19' 15.3573"W
3+640.00	9,749,514.416m	643,079.522m	S30° 19' 15.3573"W
3+660.00	9,749,497.151m	643,069.425m	S30° 19' 15.3573"W
3+680.00	9,749,479.887m	643,059.328m	S30° 19' 15.3573"W
3+700.00	9,749,462.623m	643,049.232m	S30° 19' 15.3573"W
3+720.00	9,749,445.359m	643,039.135m	S30° 19' 15.3573"W
3+740.00	9,749,428.094m	643,029.038m	S30° 19' 15.3573"W
3+760.00	9,749,410.830m	643,018.941m	S30° 19' 15.3573"W
3+780.00	9,749,393.566m	643,008.844m	S30° 19' 15.3573"W
3+800.00	9,749,376.302m	642,998.747m	S30° 19' 15.3573"W

COORDENADAS REPLANTEO DEL EJE			
3+820.00	9,749,359.038m	642,988.650m	S30° 19' 15.3573"W
3+840.00	9,749,341.773m	642,978.554m	S30° 19' 15.3573"W
3+860.00	9,749,324.509m	642,968.457m	S30° 19' 15.3573"W
3+880.00	9,749,307.245m	642,958.360m	S30° 19' 15.3573"W
3+900.00	9,749,289.981m	642,948.263m	S30° 19' 15.3573"W
3+920.00	9,749,272.716m	642,938.166m	S30° 19' 15.3573"W
3+940.00	9,749,255.452m	642,928.069m	S30° 19' 15.3573"W
3+960.00	9,749,238.188m	642,917.972m	S30° 19' 15.3573"W
3+980.00	9,749,220.924m	642,907.875m	S30° 19' 15.3573"W
4+000.00	9,749,203.660m	642,897.779m	S30° 19' 15.3573"W
4+020.00	9,749,186.395m	642,887.682m	S30° 19' 15.3573"W
4+040.00	9,749,169.131m	642,877.585m	S30° 19' 15.3573"W
4+060.00	9,749,151.867m	642,867.488m	S30° 19' 15.3573"W
4+080.00	9,749,134.603m	642,857.391m	S30° 19' 15.3573"W
4+100.00	9,749,117.338m	642,847.294m	S30° 19' 15.3573"W
4+120.00	9,749,100.074m	642,837.197m	S30° 19' 15.3573"W
4+140.00	9,749,082.810m	642,827.101m	S30° 19' 15.3573"W
4+160.00	9,749,065.546m	642,817.004m	S30° 19' 15.3573"W
4+180.00	9,749,048.282m	642,806.907m	S30° 19' 15.3573"W
4+200.00	9,749,031.017m	642,796.810m	S30° 19' 15.3573"W
4+220.00	9,749,013.753m	642,786.713m	S30° 19' 15.3573"W
4+240.00	9,748,996.489m	642,776.616m	S30° 19' 15.3573"W
4+260.00	9,748,979.225m	642,766.519m	S30° 19' 15.3573"W
4+280.00	9,748,961.960m	642,756.423m	S30° 19' 15.3573"W
4+300.00	9,748,944.696m	642,746.326m	S30° 19' 15.3573"W
4+320.00	9,748,927.432m	642,736.229m	S30° 19' 15.3573"W
4+340.00	9,748,910.168m	642,726.132m	S30° 19' 15.3573"W
4+360.00	9,748,892.904m	642,716.035m	S30° 19' 15.3573"W
4+380.00	9,748,875.639m	642,705.938m	S30° 19' 15.3573"W
4+400.00	9,748,858.375m	642,695.841m	S30° 19' 15.3573"W
4+420.00	9,748,841.111m	642,685.745m	S30° 19' 15.3573"W
4+440.00	9,748,823.847m	642,675.648m	S30° 19' 15.3573"W
4+460.00	9,748,806.582m	642,665.551m	S30° 19' 15.3573"W
4+480.00	9,748,789.328m	642,655.438m	S30° 23' 49.1641"W
4+500.00	9,748,772.077m	642,645.318m	S30° 23' 49.1641"W
4+520.00	9,748,754.826m	642,635.198m	S30° 23' 49.1641"W
4+540.00	9,748,737.575m	642,625.079m	S30° 23' 49.1641"W
4+560.00	9,748,720.324m	642,614.959m	S30° 23' 49.1641"W
4+580.00	9,748,703.074m	642,604.839m	S30° 23' 49.1641"W
4+600.00	9,748,685.823m	642,594.719m	S30° 23' 49.1641"W
4+620.00	9,748,668.572m	642,584.600m	S30° 23' 49.1641"W
4+640.00	9,748,651.321m	642,574.480m	S30° 23' 49.1641"W
4+660.00	9,748,634.070m	642,564.360m	S30° 23' 49.1641"W
4+680.00	9,748,616.820m	642,554.240m	S30° 23' 49.1641"W
4+700.00	9,748,599.569m	642,544.120m	S30° 23' 49.1641"W
4+720.00	9,748,582.318m	642,534.001m	S30° 23' 49.1641"W
4+740.00	9,748,565.067m	642,523.881m	S30° 23' 49.1641"W
4+760.00	9,748,547.816m	642,513.761m	S30° 23' 49.1641"W
4+780.00	9,748,530.566m	642,503.641m	S30° 23' 49.1641"W

COORDENADAS REPLANTEO DEL EJE			
4+800.00	9,748,513.315m	642,493.522m	S30° 23' 49.1641"W
4+820.00	9,748,496.064m	642,483.402m	S30° 23' 49.1641"W
4+840.00	9,748,478.813m	642,473.282m	S30° 23' 49.1641"W
4+860.00	9,748,461.562m	642,463.162m	S30° 23' 49.1641"W
4+880.00	9,748,444.312m	642,453.043m	S30° 23' 49.1641"W
4+900.00	9,748,427.061m	642,442.923m	S30° 23' 49.1641"W
4+920.00	9,748,409.810m	642,432.803m	S30° 23' 49.1641"W
4+940.00	9,748,392.555m	642,422.691m	S30° 12' 11.8555"W
4+960.00	9,748,375.270m	642,412.629m	S30° 12' 11.8555"W
4+980.00	9,748,357.985m	642,402.568m	S30° 12' 11.8555"W
5+000.00	9,748,340.700m	642,392.506m	S30° 12' 11.8555"W
5+020.00	9,748,323.415m	642,382.445m	S30° 12' 11.8555"W
5+040.00	9,748,306.130m	642,372.384m	S30° 12' 11.8555"W
5+060.00	9,748,288.845m	642,362.322m	S30° 12' 11.8555"W
5+080.00	9,748,271.560m	642,352.261m	S30° 12' 11.8555"W
5+100.00	9,748,254.276m	642,342.199m	S30° 12' 11.8555"W
5+120.00	9,748,236.991m	642,332.138m	S30° 12' 11.8555"W
5+140.00	9,748,219.733m	642,322.030m	S30° 30' 41.5241"W
5+160.00	9,748,202.503m	642,311.875m	S30° 30' 41.5241"W
5+180.00	9,748,185.272m	642,301.721m	S30° 30' 41.5241"W
5+200.00	9,748,168.042m	642,291.567m	S30° 30' 41.5241"W
5+220.00	9,748,150.811m	642,281.413m	S30° 30' 41.5241"W
5+240.00	9,748,133.580m	642,271.259m	S30° 30' 41.5241"W
5+260.00	9,748,116.350m	642,261.104m	S30° 30' 41.5241"W
5+280.00	9,748,099.119m	642,250.950m	S30° 30' 41.5241"W
5+300.00	9,748,081.889m	642,240.796m	S30° 30' 41.5241"W
5+320.00	9,748,064.658m	642,230.642m	S30° 30' 41.5241"W
5+340.00	9,748,047.438m	642,220.471m	S30° 34' 05.8663"W
5+360.00	9,748,030.217m	642,210.299m	S30° 34' 05.8663"W
5+380.00	9,748,012.997m	642,200.128m	S30° 34' 05.8663"W
5+400.00	9,747,995.776m	642,189.957m	S30° 34' 05.8663"W
5+420.00	9,747,978.556m	642,179.785m	S30° 34' 05.8663"W
5+440.00	9,747,961.335m	642,169.614m	S30° 34' 05.8663"W
5+460.00	9,747,944.115m	642,159.443m	S30° 34' 05.8663"W
5+480.00	9,747,926.894m	642,149.271m	S30° 34' 05.8663"W
5+500.00	9,747,909.424m	642,139.541m	S28° 34' 10.4861"W
5+520.00	9,747,891.859m	642,129.977m	S28° 34' 10.4861"W
5+540.00	9,747,874.294m	642,120.412m	S28° 34' 10.4861"W
5+560.00	9,747,856.729m	642,110.848m	S28° 34' 10.4861"W
5+580.00	9,747,839.165m	642,101.283m	S28° 34' 10.4861"W
5+600.00	9,747,821.600m	642,091.719m	S28° 34' 10.4861"W
5+620.00	9,747,804.035m	642,082.154m	S28° 34' 10.4861"W
5+640.00	9,747,786.470m	642,072.590m	S28° 34' 10.4861"W
5+660.00	9,747,768.906m	642,063.025m	S28° 34' 10.4861"W
5+680.00	9,747,751.222m	642,053.682m	S27° 44' 48.9283"W
5+700.00	9,747,733.522m	642,044.371m	S27° 44' 48.9283"W
5+720.00	9,747,715.822m	642,035.059m	S27° 44' 48.9283"W
5+740.00	9,747,698.122m	642,025.748m	S27° 44' 48.9283"W
5+760.00	9,747,680.421m	642,016.437m	S27° 44' 48.9283"W

COORDENADAS REPLANTEO DEL EJE			
5+780.00	9,747,662.721m	642,007.125m	S27° 44' 48.9283"W
5+800.00	9,747,645.021m	641,997.814m	S27° 44' 48.9283"W
5+820.00	9,747,627.321m	641,988.503m	S27° 44' 48.9283"W
5+840.00	9,747,609.620m	641,979.191m	S27° 44' 48.9283"W
5+860.00	9,747,591.948m	641,969.828m	S27° 58' 48.5556"W
5+880.00	9,747,574.286m	641,960.445m	S27° 58' 48.5556"W
5+900.00	9,747,556.623m	641,951.061m	S27° 58' 48.5556"W
5+920.00	9,747,538.961m	641,941.678m	S27° 58' 48.5556"W
5+940.00	9,747,521.299m	641,932.295m	S27° 58' 48.5556"W
5+960.00	9,747,503.637m	641,922.911m	S27° 58' 48.5556"W
5+980.00	9,747,485.975m	641,913.528m	S27° 58' 48.5556"W
6+000.00	9,747,468.312m	641,904.145m	S27° 58' 48.5556"W
6+020.00	9,747,450.650m	641,894.761m	S27° 58' 48.5556"W
6+040.00	9,747,432.988m	641,885.378m	S27° 58' 48.5556"W
6+060.00	9,747,415.326m	641,875.995m	S27° 58' 48.5556"W
6+080.00	9,747,397.664m	641,866.611m	S27° 58' 48.5556"W
6+100.00	9,747,380.001m	641,857.228m	S27° 58' 48.5556"W
6+120.00	9,747,362.339m	641,847.845m	S27° 58' 48.5556"W
6+140.00	9,747,344.677m	641,838.461m	S27° 58' 48.5556"W
6+160.00	9,747,327.015m	641,829.078m	S27° 58' 48.5556"W
6+180.00	9,747,309.352m	641,819.695m	S27° 58' 48.5556"W
6+200.00	9,747,291.690m	641,810.311m	S27° 58' 48.5556"W
6+220.00	9,747,274.028m	641,800.928m	S27° 58' 48.5556"W
6+240.00	9,747,256.366m	641,791.545m	S27° 58' 48.5556"W
6+260.00	9,747,238.704m	641,782.162m	S27° 58' 48.5556"W
6+280.00	9,747,221.039m	641,772.783m	S27° 51' 02.7416"W
6+300.00	9,747,203.356m	641,763.440m	S27° 51' 02.7416"W
6+320.00	9,747,185.672m	641,754.096m	S27° 51' 02.7416"W
6+340.00	9,747,167.989m	641,744.753m	S27° 51' 02.7416"W
6+360.00	9,747,150.306m	641,735.409m	S27° 51' 02.7416"W
6+380.00	9,747,132.622m	641,726.066m	S27° 51' 02.7416"W
6+400.00	9,747,114.939m	641,716.723m	S27° 51' 02.7416"W
6+420.00	9,747,097.256m	641,707.379m	S27° 51' 02.7416"W
6+440.00	9,747,079.572m	641,698.036m	S27° 51' 02.7416"W
6+460.00	9,747,061.889m	641,688.692m	S27° 51' 02.7416"W
6+480.00	9,747,044.206m	641,679.349m	S27° 51' 02.7416"W
6+500.00	9,747,026.522m	641,670.005m	S27° 51' 02.7416"W
6+520.00	9,747,008.839m	641,660.662m	S27° 51' 02.7416"W
6+540.00	9,746,991.155m	641,651.319m	S27° 51' 02.7416"W
6+560.00	9,746,973.472m	641,641.975m	S27° 51' 02.7416"W
6+580.00	9,746,955.789m	641,632.632m	S27° 51' 02.7416"W
6+600.00	9,746,938.105m	641,623.288m	S27° 51' 02.7416"W
6+620.00	9,746,920.422m	641,613.945m	S27° 51' 02.7416"W
6+640.00	9,746,902.739m	641,604.602m	S27° 51' 02.7416"W
6+660.00	9,746,885.055m	641,595.258m	S27° 51' 02.7416"W
6+680.00	9,746,867.372m	641,585.915m	S27° 51' 02.7416"W
6+700.00	9,746,849.689m	641,576.571m	S27° 51' 02.7416"W
6+720.00	9,746,832.005m	641,567.228m	S27° 51' 02.7416"W
6+740.00	9,746,814.322m	641,557.885m	S27° 51' 02.7416"W

COORDENADAS REPLANTEO DEL EJE			
6+760.00	9,746,796.639m	641,548.541m	S27° 51' 02.7416"W
6+780.00	9,746,778.955m	641,539.198m	S27° 51' 02.7416"W
6+800.00	9,746,761.272m	641,529.854m	S27° 51' 02.7416"W
6+820.00	9,746,743.589m	641,520.511m	S27° 51' 02.7416"W
6+840.00	9,746,725.905m	641,511.168m	S27° 51' 02.7416"W
6+860.00	9,746,708.222m	641,501.824m	S27° 51' 02.7416"W
6+880.00	9,746,690.550m	641,492.460m	S27° 56' 43.9414"W
6+900.00	9,746,672.882m	641,483.087m	S27° 56' 43.9414"W
6+920.00	9,746,655.214m	641,473.715m	S27° 56' 43.9414"W
6+940.00	9,746,637.546m	641,464.342m	S27° 56' 43.9414"W
6+960.00	9,746,619.878m	641,454.969m	S27° 56' 43.9414"W
6+980.00	9,746,602.210m	641,445.597m	S27° 56' 43.9414"W
7+000.00	9,746,584.542m	641,436.224m	S27° 56' 43.9414"W
7+020.00	9,746,566.874m	641,426.851m	S27° 56' 43.9414"W
7+040.00	9,746,549.207m	641,417.479m	S27° 56' 43.9414"W
7+060.00	9,746,531.539m	641,408.106m	S27° 56' 43.9414"W
7+080.00	9,746,513.871m	641,398.734m	S27° 56' 43.9414"W
7+100.00	9,746,496.203m	641,389.361m	S27° 56' 43.9414"W
7+120.00	9,746,478.535m	641,379.988m	S27° 56' 43.9414"W
7+140.00	9,746,460.867m	641,370.616m	S27° 56' 43.9414"W
7+160.00	9,746,443.199m	641,361.243m	S27° 56' 43.9414"W
7+180.00	9,746,425.532m	641,351.870m	S27° 56' 43.9414"W
7+200.00	9,746,407.864m	641,342.498m	S27° 56' 43.9414"W
7+220.00	9,746,390.196m	641,333.125m	S27° 56' 43.9414"W
7+240.00	9,746,372.528m	641,323.752m	S27° 56' 43.9414"W
7+260.00	9,746,354.860m	641,314.380m	S27° 56' 43.9414"W
7+280.00	9,746,337.192m	641,305.007m	S27° 56' 43.9414"W
7+300.00	9,746,319.524m	641,295.634m	S27° 56' 43.9414"W
7+320.00	9,746,301.854m	641,286.267m	S27° 54' 06.6501"W
7+340.00	9,746,284.179m	641,276.908m	S27° 54' 06.6501"W
7+360.00	9,746,266.504m	641,267.549m	S27° 54' 06.6501"W
7+380.00	9,746,248.829m	641,258.189m	S27° 54' 06.6501"W
7+400.00	9,746,231.154m	641,248.830m	S27° 54' 06.6501"W
7+420.00	9,746,213.479m	641,239.471m	S27° 54' 06.6501"W
7+440.00	9,746,195.804m	641,230.112m	S27° 54' 06.6501"W
7+460.00	9,746,178.129m	641,220.753m	S27° 54' 06.6501"W
7+480.00	9,746,160.454m	641,211.394m	S27° 54' 06.6501"W
7+500.00	9,746,142.779m	641,202.034m	S27° 54' 06.6501"W
7+520.00	9,746,125.104m	641,192.675m	S27° 54' 06.6501"W
7+540.00	9,746,107.429m	641,183.316m	S27° 54' 06.6501"W
7+560.00	9,746,089.754m	641,173.957m	S27° 54' 06.6501"W
7+580.00	9,746,072.094m	641,164.569m	S28° 13' 10.9097"W
7+600.00	9,746,054.471m	641,155.112m	S28° 13' 10.9097"W
7+620.00	9,746,036.848m	641,145.655m	S28° 13' 10.9097"W
7+640.00	9,746,019.225m	641,136.198m	S28° 13' 10.9097"W
7+660.00	9,746,001.603m	641,126.741m	S28° 13' 10.9097"W
7+680.00	9,745,983.980m	641,117.284m	S28° 13' 10.9097"W
7+700.00	9,745,966.357m	641,107.827m	S28° 13' 10.9097"W
7+720.00	9,745,948.734m	641,098.370m	S28° 13' 10.9097"W

COORDENADAS REPLANTEO DEL EJE			
7+740.00	9,745,931.111m	641,088.913m	S28° 13' 10.9097"W
7+760.00	9,745,913.489m	641,079.455m	S28° 13' 10.9097"W
7+780.00	9,745,895.866m	641,069.998m	S28° 13' 10.9097"W
7+800.00	9,745,878.243m	641,060.541m	S28° 13' 10.9097"W
7+820.00	9,745,860.620m	641,051.084m	S28° 13' 10.9097"W
7+840.00	9,745,842.997m	641,041.627m	S28° 13' 10.9097"W
7+860.00	9,745,825.374m	641,032.170m	S28° 13' 10.9097"W
7+880.00	9,745,807.743m	641,022.730m	S27° 47' 48.0337"W
7+900.00	9,745,790.051m	641,013.403m	S27° 47' 48.0337"W
7+920.00	9,745,772.358m	641,004.076m	S27° 47' 48.0337"W
7+940.00	9,745,754.666m	640,994.750m	S27° 47' 48.0337"W
7+960.00	9,745,736.974m	640,985.423m	S27° 47' 48.0337"W
7+980.00	9,745,719.282m	640,976.096m	S27° 47' 48.0337"W
8+000.00	9,745,701.590m	640,966.770m	S27° 47' 48.0337"W
8+020.00	9,745,683.898m	640,957.443m	S27° 47' 48.0337"W
8+040.00	9,745,666.226m	640,948.077m	S27° 56' 23.2958"W
8+060.00	9,745,648.557m	640,938.707m	S27° 56' 23.2958"W
8+080.00	9,745,630.888m	640,929.336m	S27° 56' 23.2958"W
8+100.00	9,745,613.219m	640,919.965m	S27° 56' 23.2958"W
8+120.00	9,745,595.551m	640,910.594m	S27° 56' 23.2958"W
8+140.00	9,745,577.882m	640,901.223m	S27° 56' 23.2958"W
8+160.00	9,745,560.213m	640,891.852m	S27° 56' 23.2958"W
8+180.00	9,745,542.544m	640,882.481m	S27° 56' 23.2958"W
8+200.00	9,745,524.875m	640,873.110m	S27° 56' 23.2958"W
8+220.00	9,745,507.207m	640,863.740m	S27° 56' 23.2958"W
8+240.00	9,745,489.542m	640,854.360m	S28° 04' 41.9291"W
8+260.00	9,745,471.896m	640,844.947m	S28° 04' 41.9291"W
8+280.00	9,745,454.250m	640,835.533m	S28° 04' 41.9291"W
8+300.00	9,745,436.604m	640,826.119m	S28° 04' 41.9291"W
8+320.00	9,745,418.958m	640,816.706m	S28° 04' 41.9291"W
8+340.00	9,745,401.312m	640,807.292m	S28° 04' 41.9291"W
8+360.00	9,745,383.666m	640,797.879m	S28° 04' 41.9291"W
8+380.00	9,745,366.020m	640,788.465m	S28° 04' 41.9291"W
8+400.00	9,745,348.374m	640,779.052m	S28° 04' 41.9291"W

COORDENADAS REPLANTEO DEL EJE			
8+420.00	9,745,330.727m	640,769.638m	S28° 04' 41.9291"W
8+440.00	9,745,313.081m	640,760.225m	S28° 04' 41.9291"W
8+460.00	9,745,295.435m	640,750.811m	S28° 04' 41.9291"W
8+480.00	9,745,277.789m	640,741.397m	S28° 04' 41.9291"W
8+500.00	9,745,260.143m	640,731.984m	S28° 04' 41.9291"W
8+520.00	9,745,242.363m	640,722.830m	S26° 21' 53.8754"W
8+540.00	9,745,224.443m	640,713.949m	S26° 21' 53.8754"W
8+560.00	9,745,206.524m	640,705.067m	S26° 21' 53.8754"W
8+580.00	9,745,188.604m	640,696.185m	S26° 21' 53.8754"W
8+600.00	9,745,170.684m	640,687.303m	S26° 21' 53.8754"W
8+620.00	9,745,152.712m	640,678.531m	S24° 57' 12.0040"W
8+640.00	9,745,134.375m	640,670.550m	S22° 05' 18.7637"W
8+660.00	9,745,115.663m	640,663.496m	S19° 13' 25.5234"W
8+680.00	9,745,096.622m	640,657.385m	S16° 21' 32.2831"W
8+700.00	9,745,077.298m	640,652.234m	S13° 29' 39.0428"W
8+720.00	9,745,057.742m	640,648.055m	S10° 37' 45.8025"W
8+740.00	9,745,038.001m	640,644.859m	S7° 45' 52.5621"W
8+760.00	9,745,018.125m	640,642.653m	S4° 53' 59.3218"W
8+780.00	9,744,998.164m	640,641.444m	S2° 02' 06.0815"W
8+800.00	9,744,978.167m	640,641.233m	S0° 49' 47.1588"E
8+820.00	9,744,958.185m	640,642.023m	S3° 41' 40.3991"E
8+840.00	9,744,938.267m	640,643.810m	S6° 33' 33.6394"E
8+860.00	9,744,918.463m	640,646.590m	S9° 25' 26.8797"E
8+880.00	9,744,898.823m	640,650.357m	S12° 17' 20.1200"E
8+900.00	9,744,879.396m	640,655.100m	S15° 09' 13.3604"E
8+920.00	9,744,860.230m	640,660.809m	S17° 56' 52.2594"E
8+940.00	9,744,841.203m	640,666.972m	S17° 56' 52.2594"E
8+960.00	9,744,822.177m	640,673.135m	S17° 56' 52.2594"E
8+980.00	9,744,803.150m	640,679.298m	S17° 56' 52.2594"E
9+000.00	9,744,784.087m	640,685.347m	S17° 32' 51.2254"E
9+020.00	9,744,765.017m	640,691.377m	S17° 32' 51.2254"E
9+040.00	9,744,745.948m	640,697.407m	S17° 32' 51.2254"E
9+060.00	9,744,726.879m	640,703.437m	S17° 32' 51.2254"E
9+080.00	9,744,707.809m	640,709.467m	S17° 32' 51.2254"E
9+100.00	9,744,688.740m	640,715.497m	S17° 32' 51.2254"E
9+120.00	9,744,669.671m	640,721.527m	S17° 32' 51.2254"E
9+140.00	9,744,650.601m	640,727.557m	S17° 32' 51.2254"E
9+160.00	9,744,631.532m	640,733.587m	S17° 32' 51.2254"E

COORDENADAS REPLANTEO DEL EJE			
9+180.00	9,744,612.463m	640,739.617m	S17° 32' 51.2254"E
9+200.00	9,744,593.393m	640,745.647m	S17° 32' 51.2254"E
9+220.00	9,744,574.324m	640,751.676m	S17° 32' 51.2254"E
9+240.00	9,744,555.060m	640,757.036m	S14° 49' 06.6815"E

Alignment Name: EJE TAURA RAMAL

Station Range: Start: 0+000.00, End: 14+335.00

Station Increment: 20.00

Station	Northing	Easting	Tangential Direction
0+000.00	9,752,629.521m	644,903.376m	S59° 05' 36.8551"W
0+020.00	9,752,619.248m	644,886.216m	S59° 05' 36.8551"W
0+040.00	9,752,608.975m	644,869.056m	S59° 05' 36.8551"W
0+060.00	9,752,598.703m	644,851.896m	S59° 05' 36.8551"W
0+080.00	9,752,588.223m	644,834.863m	S57° 22' 46.9962"W
0+100.00	9,752,577.442m	644,818.018m	S57° 22' 46.9962"W
0+120.00	9,752,566.661m	644,801.173m	S57° 22' 46.9962"W
0+140.00	9,752,555.879m	644,784.328m	S57° 22' 46.9962"W

VOLUMEN DE CAJERAS

Abscisa	Area	Altura	Volumen
0+220	1.93	0.5	0.97
0+180	1.32	0.5	0.66
0+420	2.60	0.5	1.30
0+960	1.09	0.5	0.54
1+260	0.79	0.5	0.40
1+280	1.73	0.5	0.87
3+320	2.57	0.5	1.28
3+340	1.15	0.5	0.58
3+520	0.81	0.5	0.41
3+880	1.22	0.5	0.61
3+980	1.23	0.5	0.62
4+000	1.41	0.5	0.71
4+040	1.15	0.5	0.58
4+300	0.99	0.5	0.50
4+320	1.14	0.5	0.57
4+520	1.55	0.5	0.78
4+580	1.76	0.5	0.88
4+600	1.41	0.5	0.70
4+620	0.92	0.5	0.46
4+640	1.83	0.5	0.91
4+680	1.15	0.5	0.57
5+280	1.00	0.5	0.50
5+320	1.11	0.5	0.55
5+360	1.24	0.5	0.62
5+540	1.77	0.5	0.88
6+260	3.16	0.5	1.58
6+580	1.54	0.5	0.77
8+500	1.00	0.5	0.50
8+640	0.88	0.5	0.44
8+680	0.77	0.5	0.38
8+700	0.92	0.5	0.46
8+720	0.80	0.5	0.40
8+760	0.60	0.5	0.30
8+780	0.73	0.5	0.37
8+820	1.01	0.5	0.51
8+860	1.60	0.5	0.80
8+900	1.55	0.5	0.78
8+940	0.58	0.5	0.29
8+980	0.57	0.5	0.29
9+160	2.00	0.5	1.00
TOTAL VOLUMEN CAJERA			26.28

GOBIERNO PROVINCIAL DEL GUAYAS

Estudios y Proyectos

OBRA: REHABILITACIÓN Y MEJORAMIENTO DE LA CARRETERA DE SEGUNDO ORDEN, TRAMO: PUENTE EL INTRIAGO (KM 0+000) – CRUCE A MATAPALO (KM 14+000)

CANTÓN: DURÁN

PROVINCIA: GUAYAS

PROYECTO: MTOP, SUBSANA GONZALES 855x50

ADMINISTRACIÓN 2023 – 2033

FECHA: DICIEMBRE/2023

HOJA: 1 DE 2

DISEÑO GEOMÉTRICO PLANTA – PERFIL

TRAMO: 0+000 HASTA 14+000

ESCALA: INDICADAS

CUADRO DE ALINEAMIENTO HORIZONTAL

PI Nº	DEFLEXIÓN	COORDENADAS	TANG	RADIO	L-CURVA	EXT	PC	PT
C1	76°25'37"	N=9752548.61 E=644725.05	35.44	45.00	60.00	12.28	0+037.78 N=9752570.60 E=644710.80	0+097.82 N=9752579.54 E=644753.05
C2	15°41'00"	N=9752544.37 E=644797.28	24.41	50.00	48.59	5.93	0+127.52 N=9752568.67 E=644772.61	0+176.11 N=9752581.07 E=644821.52
C3	28°10'41"	N=9752544.34 E=644930.39	42.96	150.00	84.34	8.05	0+206.78 N=9752583.51 E=644783.51	0+293.11 N=9752583.15 E=644762.15

CUADRO DE ALINEAMIENTO HORIZONTAL

PI Nº	DEFLEXIÓN	COORDENADAS	TANG	RADIO	L-CURVA	EXT	PC	PT
C1	76°25'37"	N=9752548.61 E=644725.05	35.44	45.00	60.00	12.28	0+037.78 N=9752570.60 E=644710.80	0+097.82 N=9752579.54 E=644753.05
C2	15°41'00"	N=9752544.37 E=644797.28	24.41	50.00	48.59	5.93	0+127.52 N=9752568.67 E=644772.61	0+176.11 N=9752581.07 E=644821.52
C3	28°10'41"	N=9752544.34 E=644930.39	42.96	150.00	84.34	8.05	0+206.78 N=9752583.51 E=644783.51	0+293.11 N=9752583.15 E=644762.15

1	HITO1
ABSCISA	0+000
ESTE:	644953.971
NORTE:	9753174.223
COTA:	7.95

2	HITO2
ABSCISA:	0+000
ESTE:	643978.662
NORTE:	9753000.147
COTA:	6.76

SIMBOLOGIA

EJE DE VIA
BORDE DE VIA
EJE DE CANAL
EJE DE RIO
ALCANTARILLA NUEVA
ALCANTARILLA EXISTENTE
ALCANTARILLA A DEMOLER
ALCANTARILLA A REPARAR
ALCANTARILLA A AMPLIAR
MURO DE GAVIONES
MURO DE H.A.
MURO DE PIEDRA
MURO DE CHOCLO
PUENTE
PUENTE DEL PROYECTO

SECCION TIPICA-DESDE 0+000 HASTA 9+242.00

Escala: 1:25

- HALO DE EQUIPO 1.50 MAS 0.50 SOBRE CUNETA
- CARPETA ASFALTICA e=5cm
- BASE CLASE A e=20cm
- MATERIAL TRITURADO
- SUB BASE CLASE 3 e=30cm
- MATERIAL GRANULAR
- 1.50
- 3.15
- 0.50
- 3.15
- 1.50
- HALO DE CORTE 0.50 MAS 1.50 RATIO

UBICACIÓN GENERAL

TAURA

PERFIL LONGITUDINAL

ESCALA H 1/1000
ESCALA V 1/100

DIAGRAMA DE PERALTES

ABSCISADO	TERRENO	PROYECTO	CORTE	TERRAPLEN
0+000.00	8.200	8.200	0.00	0.00
0+020.00	8.101	8.269		0.17
0+040.00	8.163	8.338		0.17
0+060.00	8.038	8.407		0.37
0+080.00	7.996	8.476		0.48
0+100.00	7.939	8.544		0.61
0+120.00	7.600	8.613		1.01
0+140.00	8.019	8.682		0.66
0+160.00	7.939	8.751		0.81
0+180.00	8.028	8.820		0.79
0+200.00	7.931	8.883		0.95
0+220.00	8.050	8.927		0.88
0+240.00	8.061	8.952		0.89
0+260.00	8.063	8.957		0.89
0+280.00	8.080	8.943		0.86
0+300.00	8.107	8.915		0.81
0+320.00	8.097	8.887		0.79
0+340.00	8.038	8.853		0.82
0+360.00	8.030	8.831		0.80
0+380.00	7.995	8.802		0.81
0+400.00	7.992	8.774		0.78
0+420.00	8.001	8.745		0.74
0+440.00	7.966	8.718		0.81
0+460.00	7.874	8.689		0.82
0+480.00	7.878	8.661		0.78
0+500.00	7.911	8.633		0.72
0+520.00	7.905	8.605		0.70
0+540.00	7.840	8.601		0.76
0+560.00	7.825	8.598		0.77
0+580.00	7.862	8.595		0.73
0+600.00	7.863	8.592		0.73
0+620.00	7.834	8.590		0.76
0+640.00	7.822	8.587		0.77
0+660.00	7.839	8.584		0.74
0+680.00	7.878	8.581		0.70
0+700.00	7.890	8.578		0.69
0+720.00	7.858	8.575		0.71
0+740.00	7.881	8.570		0.69
0+760.00	7.923	8.556		0.63
0+780.00	7.928	8.548		0.62
0+800.00	7.919	8.534		0.62
0+820.00	7.863	8.522		0.64
0+840.00	7.829	8.510		0.68
0+860.00	7.800	8.497		0.70
0+880.00	7.800	8.465		0.69
0+900.00	7.849	8.473		0.62
0+920.00	7.854	8.461		0.61
0+940.00	7.797	8.449		0.65
0+960.00	7.762	8.436		0.67
0+980.00	7.735	8.424		0.69
1+000.00	7.718	8.412		0.69
1+020.00	7.663	8.409		0.75
1+040.00	7.714	8.426		0.71

644500.000 644400.000 644300.000 644200.000 644100.000

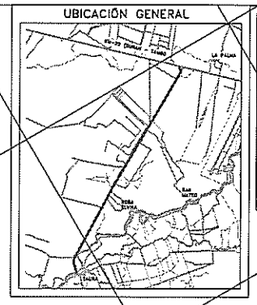
9751700.000

9751600.000

644300.000 644290.000 644100.000 644000.000 643900.000 643800.000

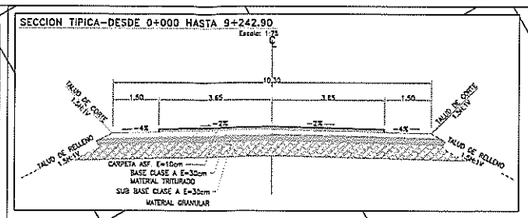
9750000.000

UBICACIÓN GENERAL



SECCION TIPICA–DESDE 0+000 HASTA 9+242.90

Escalar: 1:25



SIMBOLOGIA

EJE DE VIA	CURVA C/2m
BORDE DE VIA	CURVA C/5m
ESPALDON	0+000 ABSCISADO
ALCANTARILLA NUEVA	CUNETA/BORDILLO/ENCAUCE
DERRAMIENTO DE ALMACEN	NORTE PLANTA
DERRAMIENTO DE BUSQUEDA	TALUD DE CORTE
DERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL EXISTENTE	PUNTO REFERENCIA
NORTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	

GOBIERNO PROVINCIAL DEL GUAYAS

Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACION Y ASFALTADO DE LA VIA CON PROTECCION DESDE EL KM 20 DE LA VIA DURAN - TAMBO HASTA EL EMPALME A LA CARRETERA DE LA PROVINCIA DE TAURA, UBICADA EN EL CANTON DURAN PROVINCIA DEL GUAYAS.

CONTENIDO: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 1+000 HASTA 2+000

PROYECTO:	UBICACION:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
ELABORADO:	APROBADO:
ESCALA: INDICADAS	FECHA: DICIEMBRE/2020
	HOJA: 2/11

3	HITO3
ABSCISA:	1+220
ESTE:	644313.0896
NORTE:	9751602.567
COTA:	6.199

4	HITO4
ABSCISA:	1+268
ESTE:	644283.073
NORTE:	9751559.435
COTA:	6.928

KM–20(DURAN – TAMBO)

N-6
ABSCISA=1+288
COTA DE ENTRADA = 4.14
COTA DE SALIDA = 3.53
TIPO= ALCANTARILLA ø= 60"
LONGITUD: 20.00m
MATERIAL=H.A.

N-7
ABSCISA=1+296
COTA DE ENTRADA = 5.06
COTA DE SALIDA = 4.88
TIPO= ALCANTARILLA DOBLE ø= 48"
LONGITUD: 17.50m
MATERIAL=H.A.

N-8
ABSCISA=1+510
COTA DE ENTRADA = 5.01
COTA DE SALIDA = 4.85
TIPO= ALCANTARILLA ø= 48"
LONGITUD: 17.50m
MATERIAL=H.A.

N-9
ABSCISA=1+784
COTA DE ENTRADA = 5.45
COTA DE SALIDA = 4.80
TIPO= ALCANTARILLA ø= 48"
LONGITUD: 17.50m
MATERIAL=H.A.

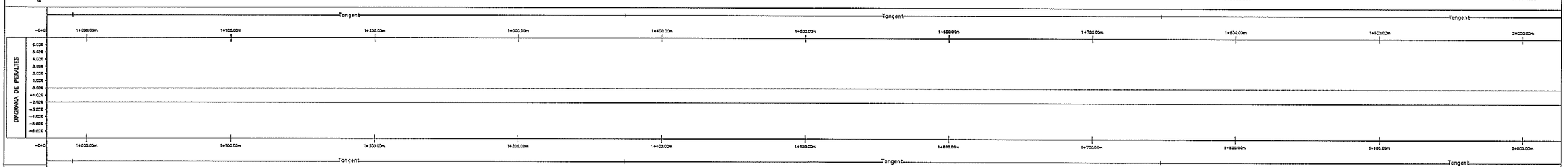
PI: 1+374.14

PI: 1+747.63

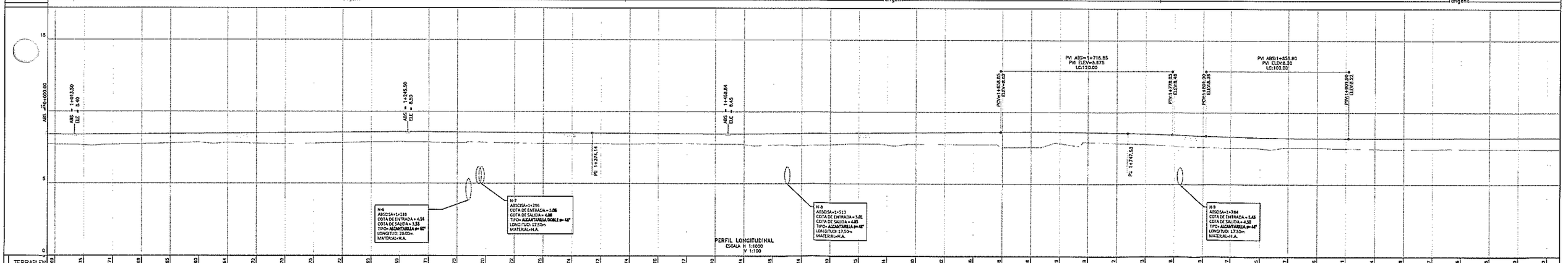
TAURA

PLANTA GENERAL
K1+000 – K2+000
ESCALA 1:1000

DIAGRAMA DE PERALTES



PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100



| | | |

GOBIERNO PROVINCIAL DEL GUAYAS

Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 22 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: DISEÑO GEOMÉTRICO PLANTA - PERFIL DESDE 2+000 HASTA 3+000

PREFECTA: MSC. SUSANA GONZALES ROSADO ADMINISTRACIÓN 2020 - 2023

UBICACIÓN: CANTÓN DURÁN

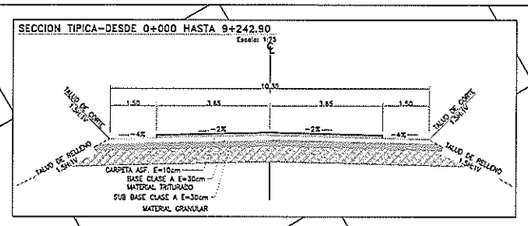
ESCALA: INDICADAS

FECHA: DICIEMBRE/2020

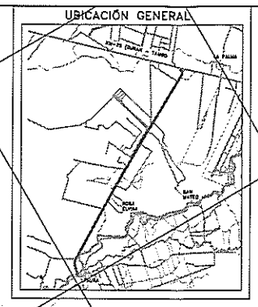
LÁMINA: 9/11

SECCION TIPICA-DESDE 0+000 HASTA 9+242.90

Escala: 1/25



UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA — CURVA E/D
BORDE DE VIA — CURVA E/D
ESPALDON — 0+000 ABSCISADO
ALCANTARILLA NUEVA — CASA/MADERA/CAÑAHUECA
DERRAMADERO DE ALBAÑIL — NORTE PLANTA
DERRAMADERO DE BLOQUES — TALUD DE CORTE
DERRAMADERO DE CAÑA — TALUD DE RELLENO
CANAL EXISTENTE — PUNTO REFERENCIA
POSTE — PERFIL DEL PROYECTO
PERFIL DEL TERRENO

6	HITOS
ABSCISA:	2+080
ESTE:	643801.5233
NORTE:	9750525.534
COTA:	6.593

5	HITOS
ABSCISA:	2+020
ESTE:	643908.0585
NORTE:	9750907.990
COTA:	6.108

7	HITO7
ABSCISA:	2+923
ESTE:	643903.3754
NORTE:	9750213.322
COTA:	5.764

8	HITO8
ABSCISA:	2+965
ESTE:	643934.9061
NORTE:	9750179.322
COTA:	6.700

KM-20(DURAN - TAMBO)

TAURA

PI: 2+163.21

N-10
ABSCISA=2+733
COTA DE ENTRADA = 3.30
COTA DE SALIDA =1.25
TIPO= ALCANTARILLA DUCTO CAJON TRIPLE [3.2x2.00m]
LONGITUD: 18.00m
MATERIAL=H.A.

PLANTA GENERAL
K2+000 - K3+000
ESCALA 1:1000

643800.000 643700.000 643600.000 643500.000 643400.000

9750000.000

DIAGRAMA DE PERALTES

Tangent | Tangent | Tangent

1+000.00m 1+100.00m 1+200.00m 1+300.00m 1+400.00m 1+500.00m 1+600.00m 1+700.00m 1+800.00m 1+900.00m 2+000.00m

6.00% 5.00% 4.00% 3.00% 2.00% 1.00% 0.00% -1.00% -2.00% -3.00% -4.00% -5.00% -6.00%

PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100

ABS = 2+163.21
ABS = 2+261.62
ELE = 8.33
ABS = 2+773.35
ELE = 8.08
PC: 2+786.37

N-10
ABSCISA=2+733
COTA DE ENTRADA = 3.30
COTA DE SALIDA =1.25
TIPO= ALCANTARILLA DUCTO CAJON TRIPLE [3.2x2.00m]
LONGITUD: 18.00m
MATERIAL=H.A.

10 5 0

ABSCISADO	TERRENO	PROYECTO	CORTE	TERRAPLEN
2+000.00	7.470	8.251		0.78
2+020.00	7.463	8.557		0.79
2+040.00	7.442	8.563		0.82
2+060.00	7.483	8.570		0.81
2+080.00	7.177	8.270		1.10
2+100.00	7.464	8.282		0.82
2+120.00	7.455	8.288		0.83
2+140.00	7.531	8.295		0.76
2+160.00	7.628	8.301		0.67
2+180.00	7.637	8.307		0.67
2+200.00	7.610	8.314		0.70
2+220.00	7.542	8.320		0.78
2+240.00	7.628	8.326		0.70
2+260.00	7.633	8.332		0.70
2+280.00	7.628	8.324		0.70
2+300.00	7.628	8.314		0.69
2+320.00	7.678	8.304		0.63
2+340.00	7.653	8.294		0.64
2+360.00	7.685	8.284		0.60
2+380.00	7.673	8.274		0.60
2+400.00	7.698	8.264		0.57
2+420.00	7.692	8.254		0.56
2+440.00	7.686	8.244		0.56
2+460.00	7.816	8.234		0.62
2+480.00	7.559	8.224		0.66
2+500.00	7.546	8.214		0.67
2+520.00	7.672	8.204		0.53
2+540.00	7.553	8.193		0.64
2+560.00	7.536	8.183		0.65
2+580.00	7.572	8.173		0.60
2+600.00	7.521	8.163		0.64
2+620.00	7.475	8.153		0.68
2+640.00	7.490	8.143		0.65
2+660.00	7.287	8.133		0.85
2+680.00	7.350	8.123		0.77
2+700.00	7.354	8.113		0.76
2+720.00	7.330	8.103		0.77
2+740.00	7.345	8.093		0.75
2+760.00	7.345	8.083		0.74
2+780.00	7.389	8.076		0.68
2+800.00	7.415	8.075		0.66
2+820.00	7.428	8.073		0.65
2+840.00	7.440	8.072		0.63
2+860.00	7.470	8.071		0.60
2+880.00	7.468	8.069		0.60
2+900.00	7.448	8.068		0.62
2+920.00	7.456	8.067		0.61
2+940.00	7.357	8.065		0.71
2+960.00	7.403	8.064		0.66
2+980.00	7.398	8.063		0.67
3+000.00	7.432	8.061		0.63
3+020.00	7.451	8.060		0.61
3+040.00	7.449	8.059		0.61

GOBIERNO PROVINCIAL DEL GUAYAS

Dirección Provincial de Estudios y Proyectos

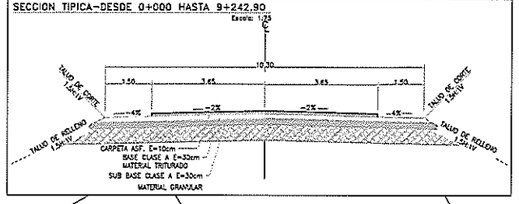
OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONVENCIONAL DESDE EL KM 12 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS

CONTENIDO: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 3+000 HASTA 4+000

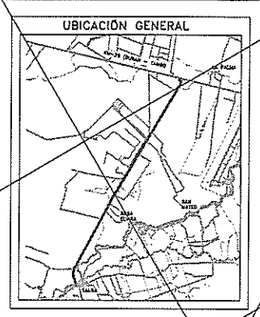
PROYECTA:	UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
ESCALA: INDICADAS	FECHA: DICIEMBRE/2020

SECCION TIPICA–DESDE 0+000 HASTA 9+242,80

Escala: 1:25



UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA	CURVA E/Sn
BORDE DE VIA	CURVA E/Dn
CAPILLON	ABSCISAS0
ALCANTARILLA NUEVA	CASA/VIVIENDA/CABAÑAS
CERRAMIENTO DE ALAMBRE	NORTE PLANTA
CERRAMIENTO DE BLOQUES	TALUD DE CORTE
CERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL EXISTENTE	PUNTO REFERENCIA
POSTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	

KM-20(DURAN – TAMBO)

N-11
ABSCISA=3+127
COTA DE ENTRADA = 4,75
COTA DE SALIDA = 4,58
TIPO= ALCANTARILLA ϕ= 80"
LONGITUD: 17,50m
MATERIAL=H.A.

N-12
ABSCISA=3+327
COTA DE ENTRADA = 4,47
COTA DE SALIDA = 4,28
TIPO= ALCANTARILLA ϕ= 48"
LONGITUD: 17,50m
MATERIAL=H.A.

N-13
ABSCISA=3+ 430
COTA DE ENTRADA = 4,81
COTA DE SALIDA = 4,23
TIPO= ALCANTARILLA DOBLE ϕ= 80"
LONGITUD: 17,50m
MATERIAL=H.A.

PLANTA GENERAL
K4+000 – K5+000
ESCALA 1:1000

10	HITO10
ABSCISA	4+000
ESTE	642911.5881
NORTE	9749183.359
COTA:	6.220

9	HITO9
ABSCISA:	3+990
ESTE:	642919.1779
NORTE:	9749217.006
COTA:	6.149

TAURA

Tangent

DIAGRAMA DE PERALTES

Tangent

PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100

ABS = 3+568.57
ELE = 8.02

ABS = 3+982.25
ELE = 8.39

ABSCISADO	TERRENO	PROYECTO	CORTE	TERRAPLEN
3+000.00	7.439	8.051		0.62
3+020.00	7.451	8.060		0.61
3+040.00	7.449	8.059		0.61
3+060.00	7.439	8.057		0.62
3+080.00	7.409	8.056		0.65
3+100.00	7.402	8.055		0.65
3+120.00	7.341	8.053		0.71
3+140.00	7.310	8.052		0.74
3+160.00	7.280	8.051		0.77
3+180.00	7.285	8.049		0.76
3+200.00	7.293	8.048		0.76
3+220.00	7.319	8.047		0.73
3+240.00	7.292	8.045		0.75
3+260.00	7.253	8.044		0.81
3+280.00	7.245	8.043		0.80
3+300.00	7.236	8.041		0.81
3+320.00	7.248	8.040		0.78
3+340.00	7.134	8.039		0.90
3+360.00	7.162	8.037		0.88
3+380.00	7.169	8.036		0.87
3+400.00	7.157	8.035		0.88
3+420.00	7.146	8.035		0.89
3+440.00	7.123	8.032		0.91
3+460.00	7.093	8.031		0.94
3+480.00	7.085	8.029		0.94
3+500.00	7.309	8.028		0.72
3+520.00	7.341	8.027		0.69
3+540.00	7.323	8.025		0.70
3+560.00	7.332	8.024		0.69
3+580.00	7.320	8.023		0.70
3+600.00	7.328	8.035		0.71
3+620.00	7.362	8.053		0.69
3+640.00	7.372	8.072		0.70
3+660.00	7.365	8.090		0.72
3+680.00	7.458	8.108		0.65
3+700.00	7.477	8.127		0.65
3+720.00	7.501	8.145		0.64
3+740.00	7.584	8.164		0.58
3+760.00	7.700	8.182		0.48
3+780.00	7.585	8.201		0.62
3+800.00	7.574	8.219		0.65
3+820.00	7.556	8.238		0.68
3+840.00	7.458	8.255		0.80
3+860.00	7.518	8.275		0.76
3+880.00	7.515	8.293		0.78
3+900.00	7.507	8.311		0.80
3+920.00	7.531	8.329		0.80
3+940.00	7.641	8.345		0.71
3+960.00	7.695	8.365		0.70
3+980.00	7.695	8.365		0.70
4+000.00	7.650	8.375		0.73
4+020.00	7.686	8.362		0.68
4+040.00	7.673	8.350		0.68

GOBIERNO PROVINCIAL DEL GUAYAS

Gobierno de Guayas | Dirección Provincial de Estudios y Proyectos

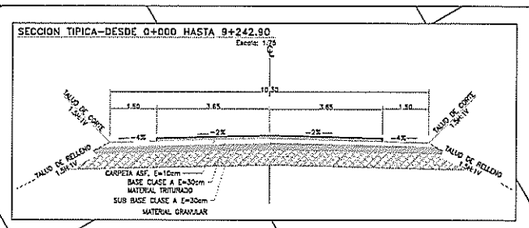
OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA EXISTENTE DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CARRETERA DE LA PROVINCIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS

CONTENIDO: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 4+000 HASTA 5+000

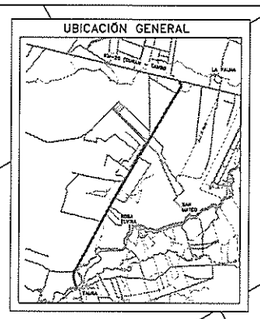
PROYECTA:	UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
REVISADO:	APROBADO:
UNIDADES: INDICADAS	FECHA: DICIEMBRE/2020

SECCION TIPICA–DESDE 0+000 HASTA 9+242.90

Escala: 1:75



UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA	CURVA E/Sm
BORDE DE VIA	CURVA E/Sm
EMPALME	0+000 ABSCISADO
ALCANTARILLA NUEVA	CASA/RESIDENCIA/HABITAR
CERRAMIENTO DE ALAMBRE	NORTE PLANTA
CERRAMIENTO DE BLOQUES	TALUD DE CORTE
CERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL CUNETA	PUNTO REFERENCIA
NORTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	



KM–20(DURAN – TAMBO)

TAURA

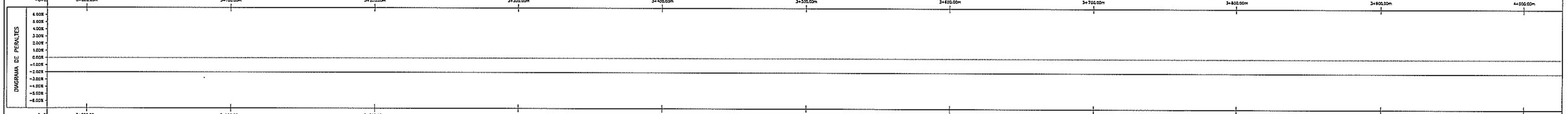
N-14
ABSCISA=4+520
COTA DE ENTRADA = 4.37
COTA DE SALIDA = 4.31
TIPO= ALCANTARILLA DOBLE de 80"
LONGITUD: 17.50m
MATERIAL=H.A.

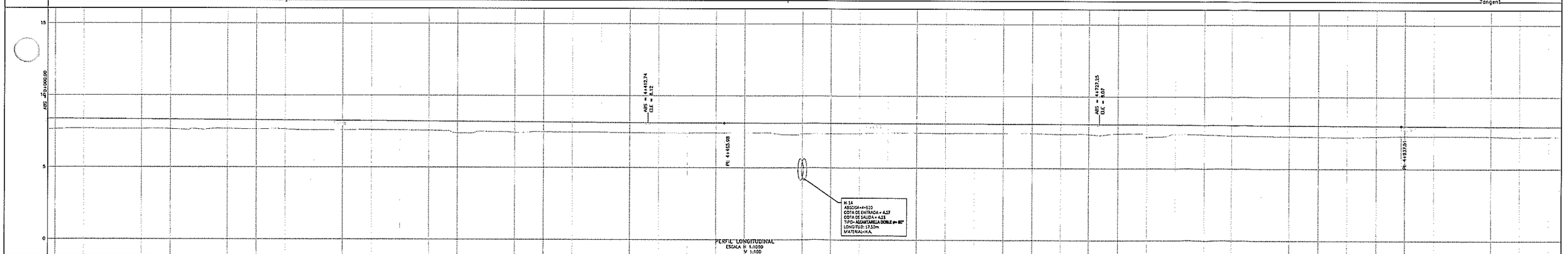
12	HITO12
ABSCISA:	4+920
ESTE:	642429.0754
NORTE:	9748418.703
COTA:	6.851

11	HITO11
ABSCISA	4+880
ESTE	642413.7986
NORTE	9748466.418
COTA:	5.460

PLANTA GENERAL
K4+000 – K5+000
ESCALA 1:1000

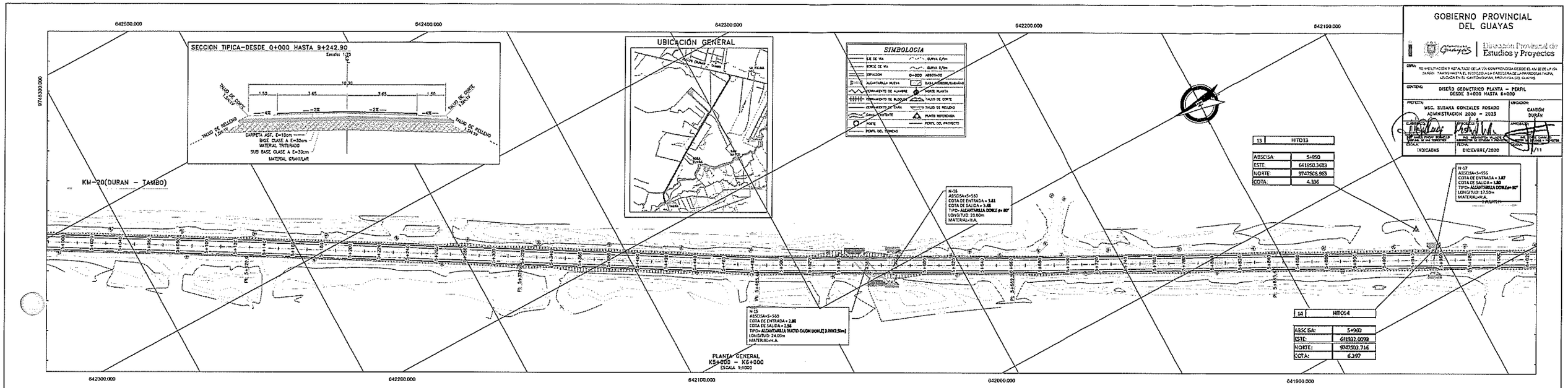
DIAGRAMA DE PERALTES

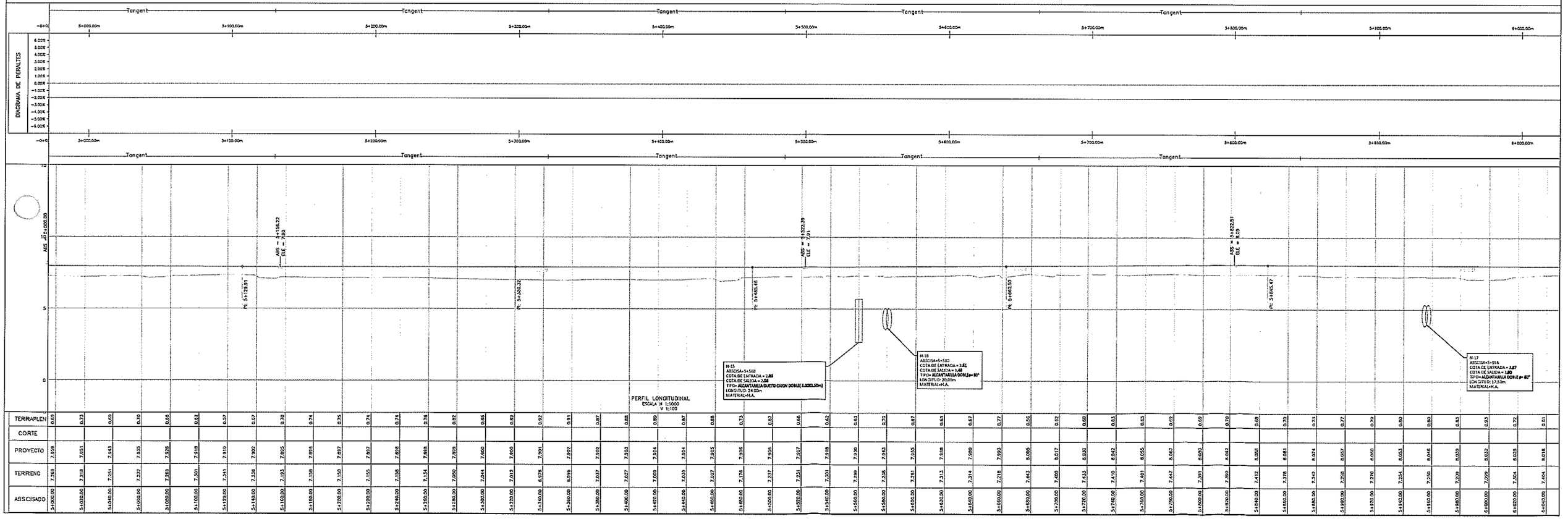




PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100

ABSCISADO	TERRENO	PROYECTO	CORTE	TERRAPLEN
4+000.00	7.550	8.375		0.72
4+020.00	7.685	8.352		0.68
4+040.00	7.673	8.350		0.68
4+060.00	7.674	8.337		0.66
4+080.00	7.661	8.325		0.66
4+100.00	7.643	8.312		0.67
4+120.00	7.660	8.300		0.64
4+140.00	7.653	8.287		0.63
4+160.00	7.647	8.275		0.63
4+180.00	7.585	8.262		0.68
4+200.00	7.595	8.258		0.65
4+220.00	7.613	8.237		0.62
4+240.00	7.592	8.225		0.63
4+260.00	7.573	8.212		0.64
4+280.00	7.601	8.200		0.60
4+300.00	7.499	8.187		0.69
4+320.00	7.448	8.174		0.73
4+340.00	7.484	8.162		0.68
4+360.00	7.462	8.149		0.69
4+380.00	7.463	8.137		0.67
4+400.00	7.435	8.124		0.69
4+420.00	7.411	8.115		0.70
4+440.00	7.412	8.112		0.70
4+460.00	7.422	8.110		0.69
4+480.00	7.416	8.107		0.69
4+500.00	7.393	8.104		0.71
4+520.00	7.369	8.101		0.73
4+540.00	7.380	8.058		0.72
4+560.00	7.399	8.099		0.70
4+580.00	7.446	8.092		0.65
4+600.00	7.450	8.089		0.64
4+620.00	7.430	8.096		0.66
4+640.00	7.438	8.083		0.65
4+660.00	7.439	8.083		0.64
4+680.00	7.435	8.078		0.64
4+700.00	7.388	8.078		0.69
4+720.00	7.378	8.072		0.69
4+740.00	7.431	8.068		0.63
4+760.00	7.183	8.067		0.88
4+780.00	7.358	8.049		0.65
4+800.00	7.305	8.041		0.68
4+820.00	7.301	8.033		0.73
4+840.00	7.286	8.025		0.74
4+860.00	7.255	8.018		0.75
4+880.00	7.237	8.008		0.77
4+900.00	7.210	8.000		0.79
4+920.00	7.253	7.992		0.74
4+940.00	7.293	7.984		0.69
4+960.00	7.298	7.975		0.68
4+980.00	7.291	7.967		0.68
5+000.00	7.279	7.959		0.68
5+020.00	7.218	7.951		0.73
5+040.00	7.251	7.943		0.69


642500.000
642400.000
642300.000
642200.000
642100.000
642000.000
641900.000
9745500.000
SECCION TIPICA–DESDE 0+000 HASTA 9+242.90
Escala: 1:20
10.30
1.50
3.65
3.65
1.50
-4%
-2%
-2%
-4%
TALUD DE CORTE 1.5H:1V
TALUD DE RELLENO 1.5H:1V
CARPETA ASF. E=15cm
BASE CLASE A E=30cm
MATERIAL TRITURADO
SUB BASE CLASE A E=30cm
MATERIAL GRANULAR
UBICACIÓN GENERAL
SIMBOLOGIA
EJE DE VIA
BORDE DE VIA
EXPLACION
ALCANTARILLA NUEVA
TERRAPLEN DE ALMACEN
TERRAPLEN DE BLOQUES
TERRAPLEN DE CASA
CANAL EXISTENTE
POSTE
PERFIL DEL TERRENO
CURVA E/D
CURVA D/D
K+000 ABSCISADO
CASA HORMIGON/MADERA
NORTE PLANTA
TALUD DE CORTE
TALUD DE RELLENO
PUNTO REFERENCIA
PERFIL DEL PROYECTO
KM-20(DURAN – TAMBO)
N-15
ABSCISA=5+560
COTA DE ENTRADA = 2.80
COTA DE SALIDA = 2.56
TIPO= ALCANTARILLA DUCTO CAJON DOBLE(3.00X2.50m)
LONGITUD: 24.00m
MATERIAL=H.A.
N-16
ABSCISA=5+580
COTA DE ENTRADA = 3.81
COTA DE SALIDA = 3.48
TIPO= ALCANTARILLA DOBLE @= 90°
LONGITUD: 20.00m
MATERIAL=H.A.
N-17
ABSCISA=5+956
COTA DE ENTRADA = 1.87
COTA DE SALIDA = 1.50
TIPO= ALCANTARILLA DOBLE @= 90°
LONGITUD: 17.50m
MATERIAL=H.A.
13 HITO13
ABSCISA 5+950
ESTE: 641950.3683
NORTE: 9747508.963
COTA: 4.336
14 HITO14
ABSCISA: 5+980
ESTE: 641932.0039
NORTE: 9747203.716
COTA: 6.397
PLANTA GENERAL
K5+000 – K6+000
ESCALA 1:1000
GOBIERNO PROVINCIAL DEL GUAYAS
Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos
OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONVENCIONAL DESDE EL KM 20 DE LA VÍA DURÁN – TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAMBO, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS
CONTENIDO: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 5+000 HASTA 6+000
PROYECTO: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023
UBICACIÓN: CANTÓN DURÁN
CALCULO: ING. JOSE LUIS PAVON BONILLO
REVISADO: ING. MEDARDO VILLACIS
APROBADO: ING. MEDARDO VILLACIS
FECHA: INDICADAS
FECHA: DICIEMBRE/2020
HOJA: 1/11


Tangent
DIAGRAMA DE PERALTES
6.00%
5.00%
4.00%
3.00%
2.00%
1.00%
0.00%
-1.00%
-2.00%
-3.00%
-4.00%
-5.00%
-6.00%
5+000.00m
5+100.00m
5+200.00m
5+300.00m
5+400.00m
5+500.00m
5+600.00m
5+700.00m
5+800.00m
5+900.00m
6+000.00m
ABS = 5+156.22
ELE = 7.488
ABS = 5+522.39
ELE = 7.91
ABS = 5+822.53
ELE = 8.05
Pc 5+129.91
Pc 5+320.32
Pc 5+485.46
Pc 5+665.50
Pc 5+845.47
N-15
ABSCISA=5+560
COTA DE ENTRADA = 2.80
COTA DE SALIDA = 2.56
TIPO= ALCANTARILLA DUCTO CAJON DOBLE(3.00X2.50m)
LONGITUD: 24.00m
MATERIAL=H.A.
N-16
ABSCISA=5+580
COTA DE ENTRADA = 3.81
COTA DE SALIDA = 3.48
TIPO= ALCANTARILLA DOBLE @= 90°
LONGITUD: 20.00m
MATERIAL=H.A.
N-17
ABSCISA=5+956
COTA DE ENTRADA = 1.87
COTA DE SALIDA = 1.50
TIPO= ALCANTARILLA DOBLE @= 90°
LONGITUD: 17.50m
MATERIAL=H.A.
PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100
10
5
0
TERRAPLEN
CORTE
PROYECTO
TERRENO
ABSCISADO
0.69 0.73 0.69 0.70 0.66 0.82 0.97 0.67 0.70 0.74 0.75 0.74 0.74 0.76 0.82 0.66 0.82 0.92 0.72 0.81 0.87 0.85 0.89 0.87 0.85 0.73 0.67 0.66 0.62 0.61 0.70 0.87 0.65 0.67 0.77 0.56 0.92 0.60 0.61 0.83 0.65 0.60 0.70 0.68 0.73 0.71 0.77 0.79 0.80 0.80 0.83 0.83 0.72 0.51
7.859 7.951 7.943 7.935 7.928 7.918 7.910 7.902 7.895 7.888 7.882 7.876 7.868 7.859 7.850 7.842 7.835 7.827 7.820 7.812 7.805 7.797 7.790 7.782 7.775 7.767 7.760 7.752 7.745 7.737 7.730 7.722 7.715 7.707 7.700 7.692 7.685 7.677 7.670 7.662 7.655 7.647 7.640 7.632 7.625 7.617 7.610 7.602 7.595 7.587 7.580 7.572 7.565 7.557
7.269 7.218 7.251 7.232 7.263 7.301 7.341 7.236 7.193 7.138 7.159 7.155 7.158 7.134 7.080 7.044 7.012 6.978 8.996 7.037 7.027 7.000 7.039 7.022 7.176 7.237 7.231 7.301 7.299 7.230 7.245 7.255 7.281 7.313 7.314 7.218 7.443 7.409 7.433 7.410 7.401 7.447 7.391 7.389 7.412 7.378 7.342 7.298 7.270 7.254 7.250 7.209 7.099 7.064 6.825 6.018
5+000.00 5+020.00 5+040.00 5+060.00 5+080.00 5+100.00 5+120.00 5+140.00 5+160.00 5+180.00 5+200.00 5+220.00 5+240.00 5+260.00 5+280.00 5+300.00 5+320.00 5+340.00 5+360.00 5+380.00 5+400.00 5+420.00 5+440.00 5+460.00 5+480.00 5+500.00 5+520.00 5+540.00 5+560.00 5+580.00 5+600.00 5+620.00 5+640.00 5+660.00 5+680.00 5+700.00 5+720.00 5+740.00 5+760.00 5+780.00 5+800.00 5+820.00 5+840.00 5+860.00 5+880.00 5+900.00 5+920.00 5+940.00 5+960.00 5+980.00 6+000.00 6+020.00 6+040.00

GOBIERNO PROVINCIAL DEL GUAYAS

Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONFORMACIÓN DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN PROVINCIA DEL GUAYAS.

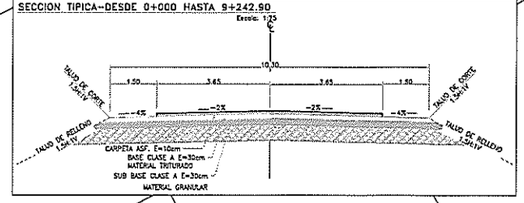
CONTENIDO: DISEÑO GEOMÉTRICO PLANTA – PERFIL DESDE 0+000 HASTA 7+000

PREFECTO:	UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
ELABORADO:	APROBADO:
FECHA: INDICADAS	FECHA: DICIEMBRE/2020

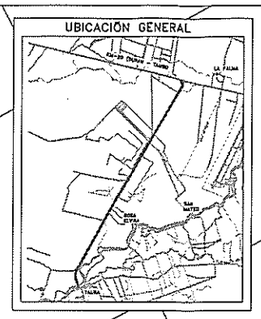
HOJA: 1/11

SECCION TIPICA–DESDE 0+000 HASTA 9+242.90

Escala: 1:25



UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA	CURVA E/H
BORDE DE VIA	CURVA E/H
EXPULSION	0+000 ABSCISAS
ALCANTARILLA NUEVA	CASAS/COMERCIO/GARAJES
CERRAMIENTO DE ALAMBRE	NORTE PLANTA
CERRAMIENTO DE BLOQUES	TALUD DE CORTE
CERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL EXISTENTE	PUNTO REFERENCIA
POSTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	

KM-20(DURAN – TAMBO)

PLANTA GENERAL
K6+000 – K7+000
ESCALA 1:1000

N-18
ABSCISA=6+727
COTA DE ENTRADA = 4.38
COTA DE SALIDA = 4.83
TIPO= ALCANTARILLA θ= 45°
LONGITUD: 17.50m
MATERIAL=H.A.

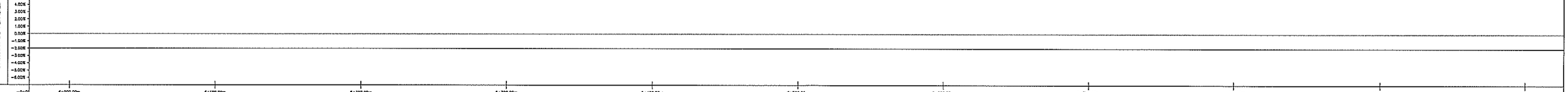
15	HITO15
ABSCISA:	6+932
ESTE:	641489.1769
NORTE:	9746690.393
COTA:	5.176

N-19
ABSCISA=6+955
COTA DE ENTRADA = 3.35
COTA DE SALIDA =2.84
TIPO= ALCANTARILLA DOBLE θ= 60°
LONGITUD: 17.50m
MATERIAL=H.A.

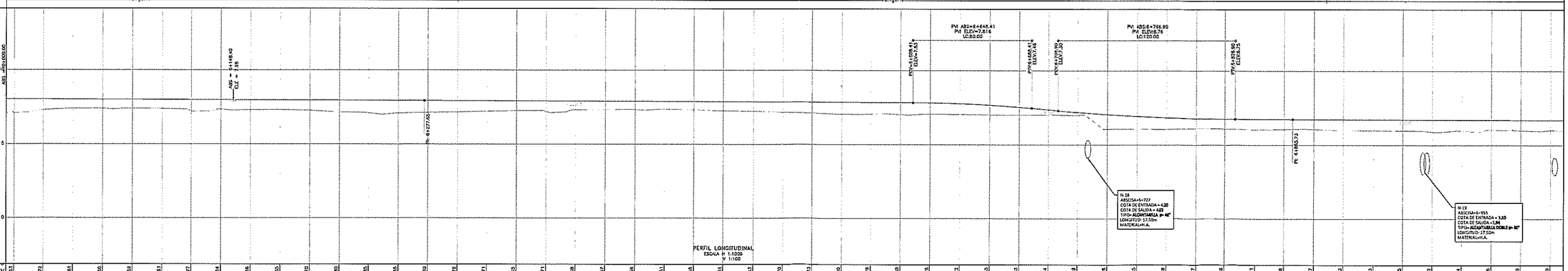
16	HITO16
ABSCISA:	6+960
ESTE:	641448.9397
NORTE:	9746628.410
COTA:	5.561

TAURA

DIAGRAMA DE PERALTES



PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100



ABSCISADO	TERRENO	PROYECTO	CORTE	TERRAPLEN
6+000.00	7.098	8.032		0.93
6+020.00	7.304	8.035		0.72
6+040.00	7.404	8.018		0.61
6+060.00	7.407	8.011		0.60
6+080.00	7.419	8.004		0.59
6+100.00	7.383	7.997		0.61
6+120.00	7.223	7.999		0.77
6+140.00	7.347	7.983		0.64
6+160.00	7.314	7.976		0.66
6+180.00	7.320	7.970		0.65
6+200.00	7.288	7.963		0.70
6+220.00	7.155	7.956		0.80
6+240.00	7.103	7.950		0.85
6+260.00	7.087	7.943		0.86
6+280.00	7.135	7.937		0.80
6+300.00	7.172	7.930		0.76
6+320.00	7.219	7.924		0.71
6+340.00	7.266	7.917		0.65
6+360.00	7.205	7.911		0.71
6+380.00	7.291	7.904		0.61
6+400.00	7.330	7.898		0.57
6+420.00	7.315	7.891		0.58
6+440.00	7.378	7.884		0.51
6+460.00	7.319	7.878		0.56
6+480.00	7.264	7.871		0.61
6+500.00	7.208	7.865		0.63
6+520.00	7.180	7.858		0.70
6+540.00	7.129	7.852		0.73
6+560.00	7.044	7.845		0.80
6+580.00	7.049	7.839		0.79
6+600.00	7.029	7.832		0.80
6+620.00	7.059	7.828		0.75
6+640.00	7.043	7.766		0.72
6+660.00	7.016	7.679		0.65
6+680.00	7.003	7.532		0.53
6+700.00	7.016	7.359		0.34
6+720.00	6.997	7.187		0.19
6+740.00	6.981	7.043		0.06
6+760.00	6.075	6.927		0.85
6+780.00	6.064	6.840		0.78
6+800.00	6.107	6.781		0.67
6+820.00	6.094	6.751		0.66
6+840.00	6.038	6.744		0.71
6+860.00	6.061	6.728		0.68
6+880.00	6.065	6.732		0.67
6+900.00	5.995	6.726		0.73
6+920.00	5.991	6.720		0.73
6+940.00	5.966	6.714		0.75
6+960.00	5.851	6.708		0.85
6+980.00	5.984	6.702		0.74
7+000.00	6.039	6.697		0.65
7+020.00	5.992	6.691		0.69
7+040.00	5.999	6.685		0.69

GOBIERNO PROVINCIAL DEL GUAYAS

Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CON PROYECCIÓN DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CARRETERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTENIDO: DISEÑO GEOMÉTRICO PLANTA – PERFIL DESDE 7+000 HASTA 8+000

PROYECTO: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 - 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO: ING. MARCO RONALDO [illegible] ESPECIALISTA EN VIAS Y TRANSPORTE

REVISADO: ING. [illegible] ESPECIALISTA EN VIAS Y TRANSPORTE

APROBADO: ING. [illegible] DIRECTOR DE ESTUDIOS Y PROYECTOS

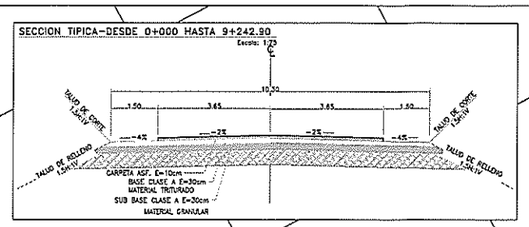
ESCALA: INDICADAS

FECHA: DICIEMBRE/2020

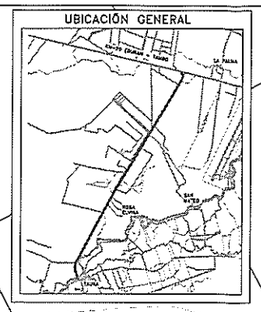
LÁMINA: 8/11

SECCION TIPICA–DESDE 0+000 HASTA 9+242.90

Escala: 1:75



UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA		CURVA K/m	
BORDE DE VIA		CURVA K/M	
ESTACION	0+000	ABSCISAS	
ALCANTARILLA NUEVA		CASA/HOSTERIA/CABAÑAS	
DERRUMBOS DE ALMACEN		NORTE PLANTA	
DERRUMBOS DE BOLOSOS		TALUD DE CORTE	
DERRUMBOS DE CASA		TALUD DE RELLENO	
CANAL EXISTENTE		PUNTO REFERENCIA	
POSTE		POSTE DEL PROYECTO	
PERFIL DEL TERRENO			

17	HITO17
ABSCISA:	7+682
ESTE:	641126.7776
NORTE:	9745980.093
COTA:	5.585

18	HITO18
ABSCISA:	6+782
ESTE:	641079.5284
NORTE:	9745912.377
COTA:	5.707

KM–20(DURAN – TAMBO)

TAURA

N-20
ABSCISA=7+043
COTA DE ENTRADA = 3.14
COTA DE SALIDA = 2.80
TIPO= ALCANTARILLA ϕ= 48"
LONGITUD: 17.50m
MATERIAL=H.A.

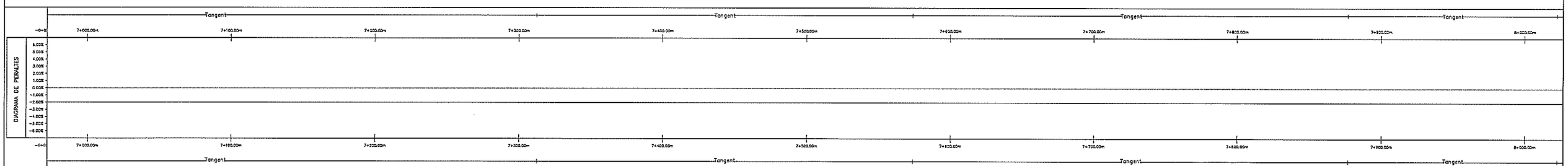
N-21
ABSCISA=7+454
COTA DE ENTRADA = 4.48
COTA DE SALIDA = 4.27
TIPO= ALCANTARILLA ϕ= 48"
LONGITUD: 20.00m
MATERIAL=H.A.

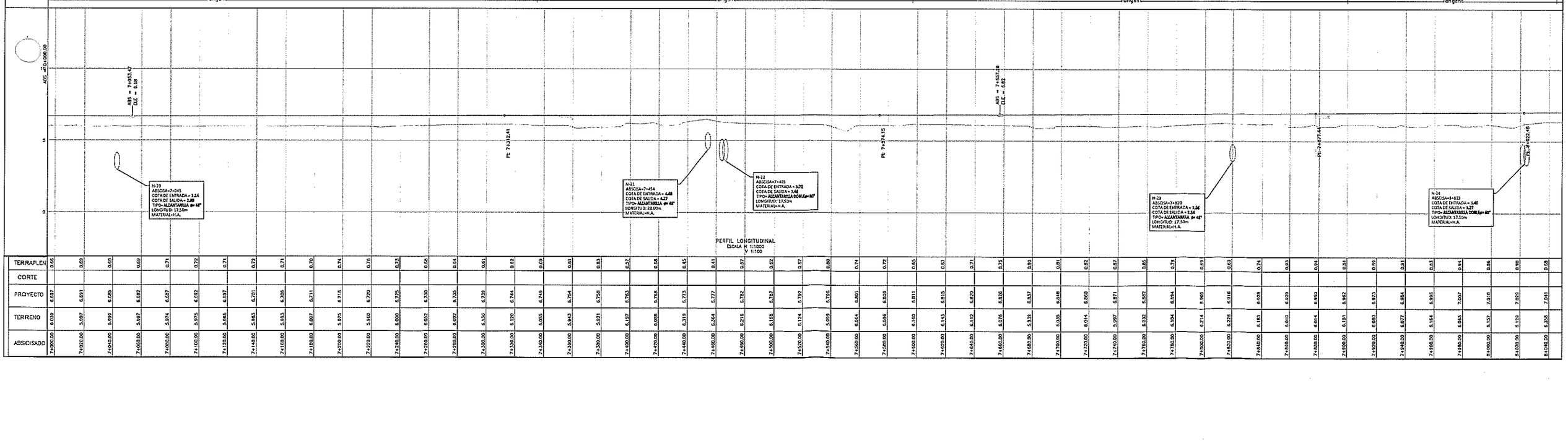
N-22
ABSCISA=7+485
COTA DE ENTRADA = 3.72
COTA DE SALIDA = 3.48
TIPO= ALCANTARILLA DOBLE ϕ= 60"
LONGITUD: 17.50m
MATERIAL=H.A.

N-23
ABSCISA=7+820
COTA DE ENTRADA = 3.66
COTA DE SALIDA = 3.34
TIPO= ALCANTARILLA ϕ= 48"
LONGITUD: 17.50m
MATERIAL=H.A.

N-24
ABSCISA=8+023
COTA DE ENTRADA = 3.40
COTA DE SALIDA = 3.27
TIPO= ALCANTARILLA DOBLE ϕ= 60"
LONGITUD: 17.50m
MATERIAL=H.A.

PLANTA GENERAL
K7+000 – K8+000
ESCALA 1:1000





PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100

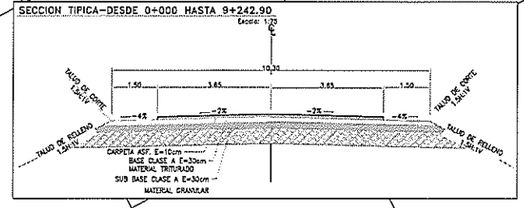
ABSCISADO	7+000.00	7+020.00	7+040.00	7+060.00	7+080.00	7+100.00	7+120.00	7+140.00	7+160.00	7+180.00	7+200.00	7+220.00	7+240.00	7+260.00	7+280.00	7+300.00	7+320.00	7+340.00	7+360.00	7+380.00	7+400.00	7+420.00	7+440.00	7+460.00	7+480.00	7+500.00	7+520.00	7+540.00	7+560.00	7+580.00	7+600.00	7+620.00	7+640.00	7+660.00	7+680.00	7+700.00	7+720.00	7+740.00	7+760.00	7+780.00	7+800.00	7+820.00	7+840.00	7+860.00	7+880.00	7+900.00	7+920.00	7+940.00	7+960.00	7+980.00	8+000.00	8+020.00	8+040.00
TERRENO	6.032	5.997	5.992	5.997	5.974	5.975	5.986	5.985	5.953	6.007	5.975	5.950	6.000	6.052	6.072	5.150	6.120	6.055	5.843	5.931	6.187	6.088	6.319	6.364	6.216	6.105	6.124	5.899	6.064	6.086	6.160	6.145	6.112	6.076	5.938	6.055	6.044	5.997	6.032	6.154	6.214	5.956	6.183	6.010	6.014	6.151	6.680	6.077	6.184	6.065	6.157	6.129	6.358
PROYECTO	6.697	6.691	6.685	6.692	6.657	6.682	6.697	6.701	6.706	6.711	6.715	6.720	6.725	6.730	6.735	6.739	6.744	6.749	6.754	6.758	6.763	6.768	6.773	6.777	6.782	6.787	6.792	6.795	6.801	6.806	6.811	6.815	6.820	6.826	6.837	6.848	6.860	6.871	6.882	6.894	6.905	6.916	6.928	6.939	6.950	6.962	6.973	6.984	6.995	7.007	7.018	7.029	7.041
CORTE																																																						
TERRAPLEN	0.66	0.69	0.69	0.69	0.71	0.72	0.71	0.72	0.71	0.70	0.74	0.76	0.73	0.68	0.64	0.61	0.62	0.69	0.83	0.83	0.57	0.68	0.45	0.41	0.57	0.62	0.57	0.80	0.74	0.72	0.65	0.67	0.71	0.75	0.90	0.91	0.82	0.87	0.85	0.79	0.69	0.69	0.74	0.93	0.94	0.93	0.92	0.91	0.83	0.91	0.96	0.90	0.73

641000.000 640900.000

9746700.000

SECCION TIPICA-DESDE 0+000 HASTA 9+242.90

Escala: 1:20



KM-29(DURAN - TAMBO)

N-25
ABSCISA=0+052
COTA DE ENTRADA = 4.36
COTA DE SALIDA = 4.33
TIPO= ALCANTARILLA 0= 45°
LONGITUD: 23.00m
MATERIAL=H.A.

N-26
ABSCISA=0+432
COTA DE ENTRADA = 2.25
COTA DE SALIDA = 2.17
TIPO= ALCANTARILLA 0= 90°
LONGITUD: 20.00m
MATERIAL=H.A.

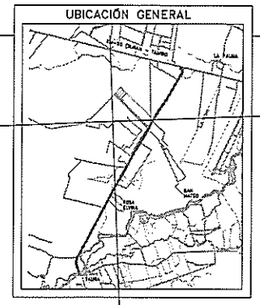
N-24
ABSCISA=0+023
COTA DE ENTRADA = 3.40
COTA DE SALIDA = 3.27
TIPO= ALCANTARILLA DOBLE 0= 90°
LONGITUD: 17.50m
MATERIAL=H.A.

PLANTA GENERAL
KO+000 - K1+000
ESCALA 1:1000

9745300.000

640800.000 640700.000

UBICACIÓN GENERAL



SIMBOLOGIA

EJE DE VIA	CURVA E/Der
BORDE DE VIA	CURVA E/Izq
ESTACION	0+000 ABSCISADO
ALCANTARILLA NUEVA	CASA/RANCHO/TIENDAS
CERRAMIENTO DE ALAMBRE	NORTE PLANTA
CERRAMIENTO DE BLOQUES	TALUD DE CORTE
CERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL EXISTENTE	PUNTO REFERENCIA
POSTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	

19	HITO19
ABSCISA:	8+617
ESTE:	640690.184
NORTE:	9745158.362
COTA:	6.170

20	HITO20
ABSCISA:	8+695
ESTE:	640662.493
NORTE:	9745087.296
COTA:	5.922

N-27
ABSCISA=0+629
COTA DE ENTRADA = 3.85
COTA DE SALIDA = 3.72
TIPO= ALCANTARILLA CAJON (1.70x1.70m)
LONGITUD: 14.00m
MATERIAL=H.A.

CUADRO DE ALINEAMIENTO HORIZONTAL

PI_No	DEFLEXION	COORDENADAS	TANG	RADIO	L-CURVA	EXT	PC	PT
C4	44°18'48"	N=9745015.66 E=640610.48	182.88	400.00	309.36	31.89	8+610.14 N=9745161.59 E=640682.80	8+919.51 N=9744880.79 E=640660.6586

N-28
ABSCISA=8+956
COTA DE ENTRADA = 3.92
COTA DE SALIDA = 3.88
TIPO= ALCANTARILLA DOBLE 0= 90°
LONGITUD: 17.50m
MATERIAL=H.A.

TAURA

640600.000

GOBIERNO PROVINCIAL DEL GUAYAS

Guayas | Dirección Provincial de Estudios y Proyectos

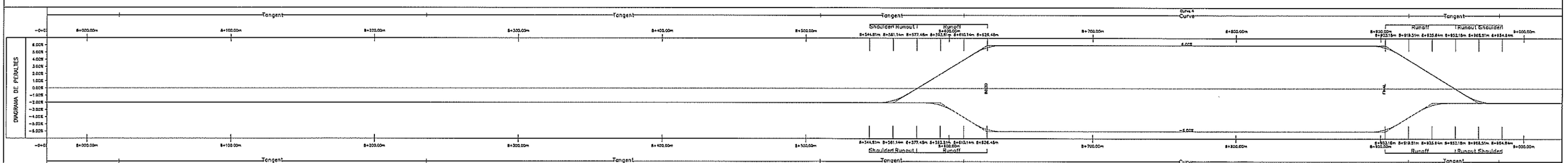
OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONVENCIONAL DESDE EL KM 00 DE LA VÍA DURÁN - TAMBO HASTA EL INTERIOR A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN PROVINCIA DEL GUAYAS.

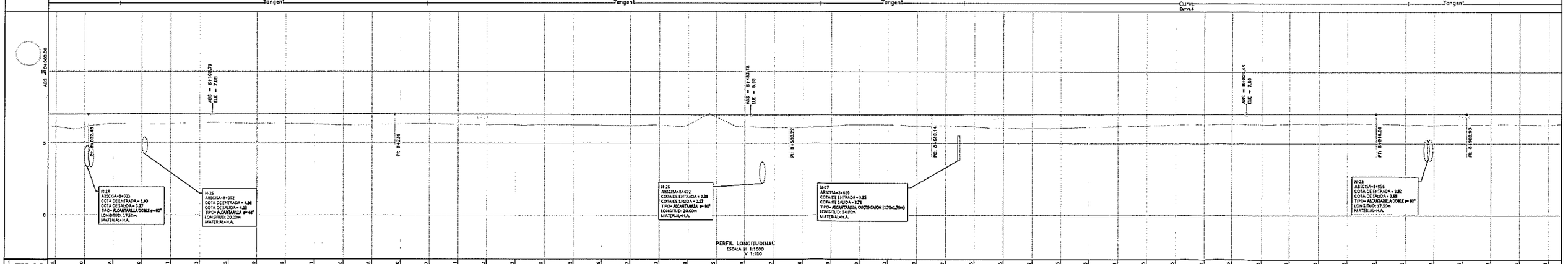
CONTENI: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 8+000 HASTA 9+000

PROYECTA:	UBICACION:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
CARGO:	REVISADO:
APROBADO:	
ESCALA: INDICADAS	FECHA: DICIEMBRE/2020

HOJA: 9/11

DIAGRAMA DE PERALTES



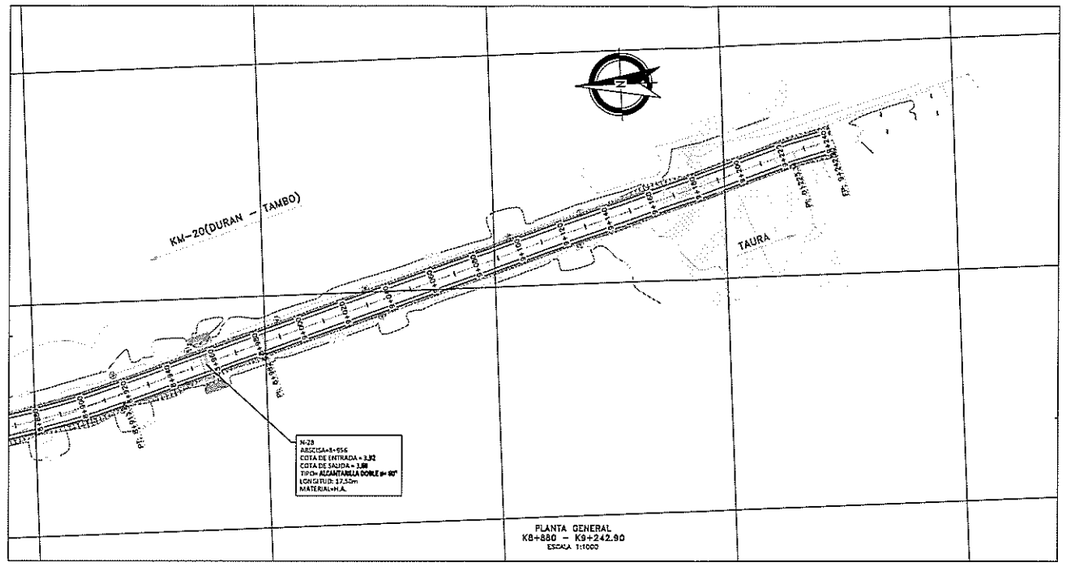


PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100

| ABSCISADO | 8+000.00 | 8+020.00 | 8+040.00 | 8+060.00 | 8+080.00 | 8+100.00 | 8+120.00 | 8+140.00 | 8+160.00 | 8+180.00 | 8+200.00 | 8+220.00 | 8+240.00 | 8+260.00 | 8+280.00 | 8+300.00 | 8+320.00 | 8+340.00 | 8+360.00 | 8+380.00 | 8+400.00 | 8+420.00 | 8+440.00 | 8+460.00 | 8+480.00 | 8+500.00 | 8+520.00 | 8+540.00 | 8+560.00 | 8+580.00 | 8+600.00 | 8+620.00 | 8+640.00 | 8+660.00 | 8+680.00 | 8+700.00 | 8+720.00 | 8+740.00 | 8+760.00 | 8+780.00 | 8+800.00 | 8+820.00 | 8+840.00 | 8+860.00 | 8+880.00 | 8+900.00 | 8+920.00 | 8+940.00 | 8+960.00 | 8+980.00 | 9+000.00 | 9+020.00 | 9+040.00 | 9+060.00 | 9+080.00 | 9+100.00 | 9+120.00 | 9+140.00 | 9+160.00 | 9+180.00 | 9+200.00 | 9+220.00 | 9+240.00 |
|---|---|---|---|---|---|---|---|---

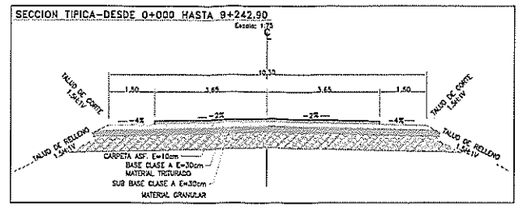
SIMBOLOGIA

EJE DE VIA	CURVA C/5m
BORDE DE VIA	CURVA E/5m
ESTACION	0+000 ABSCISADO
ALCANTARILLA NUEVA	CASA/BODEGA/GARAJE
CERRAMIENTO DE ALAMBRE	NORTE PLANTA
CERRAMIENTO DE BLOQUES	TALUD DE CORTE
CERRAMIENTO DE CAÑA	TALUD DE RELLENO
CANAL EXISTENTE	PUNTO REFERENCIA
POSTE	PERFIL DEL PROYECTO
PERFIL DEL TERRENO	

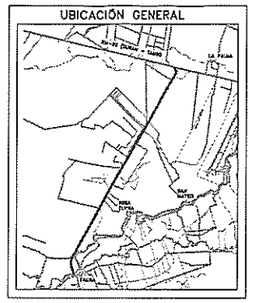


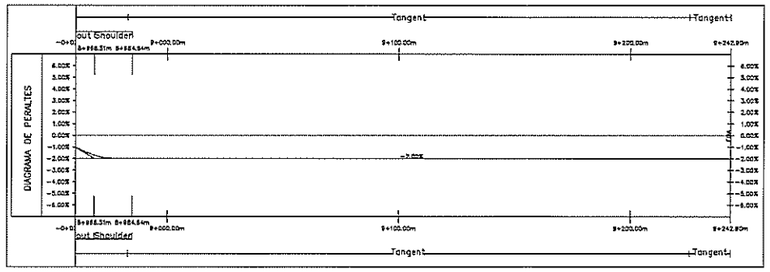
PLANTA GENERAL
K8+880 – K9+242.90
ESCALA 1:1000

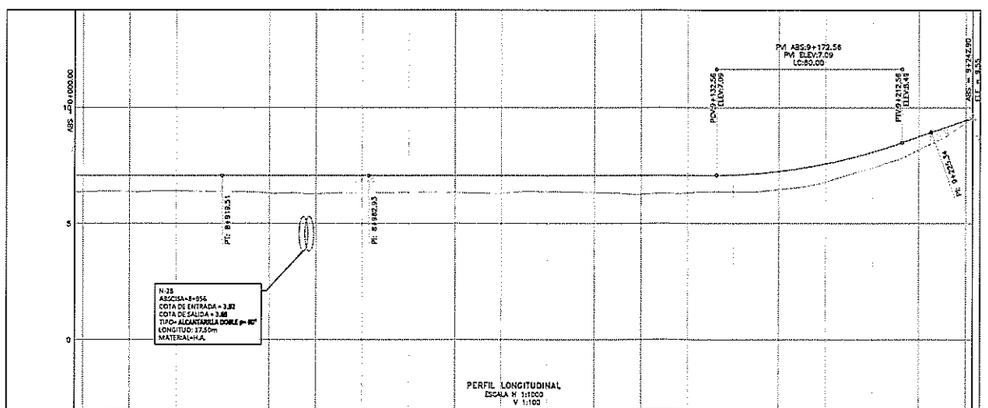
SECCION TIPICA–DESDE 0+000 HASTA 9+242.90



UBICACIÓN GENERAL







PERFIL LONGITUDINAL
ESCALA H: 1:1000
V: 1:100

TERRAPLEN	0.05	0.68		0.66		0.69		0.76		0.78		0.74		0.73		0.74		0.78		0.79		0.74		0.81	
CORTE																									
PROYECTO	7.057	7.068		7.070		7.071		7.073		7.074		7.075		7.077		7.078		7.081		7.082		7.084		7.085	
TERRENO	6.219	6.384		6.412		6.385		6.312		6.290		6.337		6.350		6.338		6.302		6.376		6.345		6.271	
ABSCISADO	8+880.00	8+900.00		8+920.00		8+940.00		8+960.00		8+980.00		9+000.00		9+020.00		9+040.00		9+060.00		9+080.00		9+100.00		9+120.00	

TERRAPLEN	0.77		0.73		0.78		0.77		0.68		0.67		0.10										
CORTE																							
PROYECTO	7.085		7.095		7.292		7.589		8.083		8.749		9.445		9.500								
TERRENO	6.377		6.473		6.808		7.402		8.152		9.348		9.500										
ABSCISADO	9+140.00		9+160.00		9+180.00		9+200.00		9+220.00		9+240.00		9+242.90										

GOBIERNO PROVINCIAL DEL GUAYAS

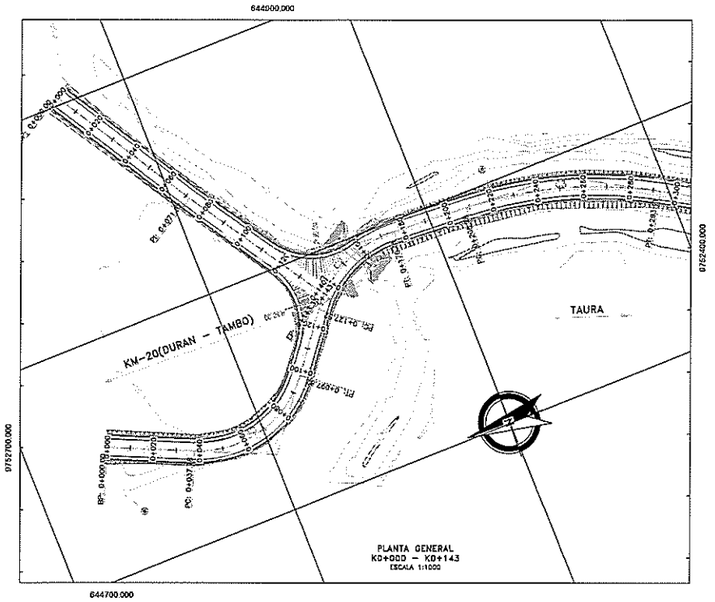
Prefectura del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CON PROYECCIÓN DESDE EL K8+880 DE LA VÍA DURÁN - TAMBO HASTA EL PEAJE DE LA CARRETERA DE LA PARROQUIA TAURA UBICADA EN EL CANTÓN DURÁN PROVINCIA DEL GUAYAS.

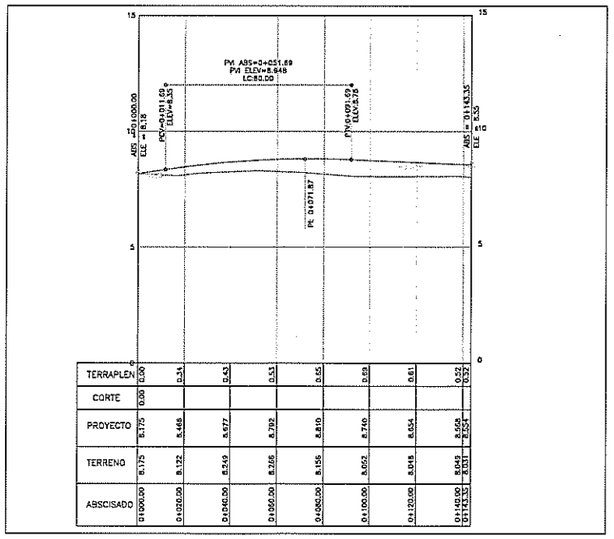
CONTENIDO: DISEÑO GEOMETRICO PLANTA – PERFIL DESDE 9+000 HASTA 9+230.69

PROYECTO	UBICACIÓN
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN

ELABORADO	REVISADO	APROBADO
ESCALA: INDICADAS	FECHA: DICIEMBRE/2020	LÁMINA: 8/11

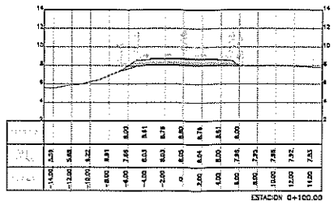


PLANTA GENERAL
KD+000 - KD+143
ESCALA 1:1000

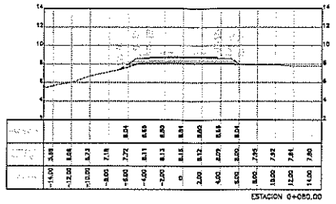


TERRAPLEN	0.00	0.34	0.43	0.53	0.65	0.69	0.61	0.52	0.52
CORTE	0.00								
PROYECTO	8.175	8.468	8.677	8.792	8.810	8.740	8.654	8.568	8.554
TERRENO	8.175	8.122	8.249	8.266	8.156	8.052	8.018	8.049	8.031
ABSCISADO	0+000.00	0+020.00	0+040.00	0+060.00	0+080.00	0+100.00	0+120.00	0+140.00	0+143.35

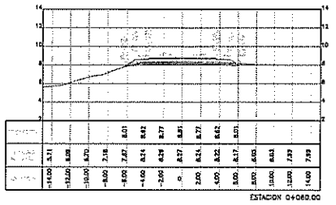
PERFIL LONGITUDINAL
ESCALA H 1:1000
V 1:100



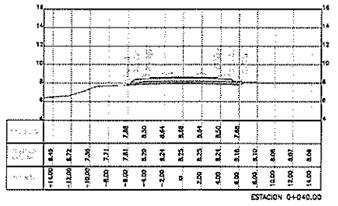
ESTACION 0+100.00



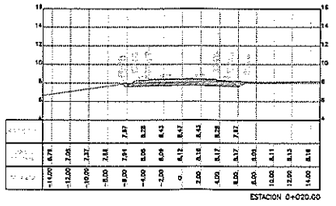
ESTACION 0+080.00



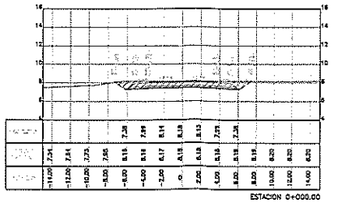
ESTACION 0+060.00



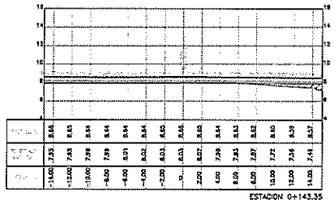
ESTACION 0+040.00



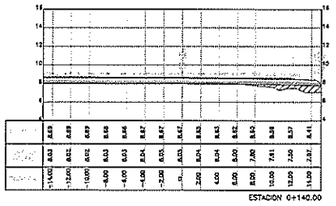
ESTACION 0+020.00



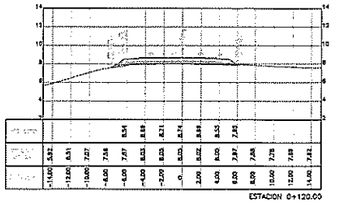
ESTACION 0+000.00



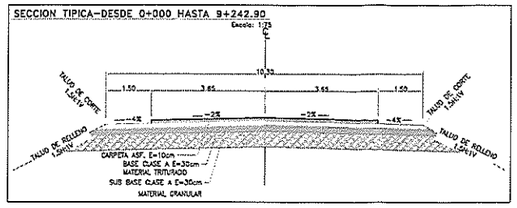
ESTACION 0+143.35

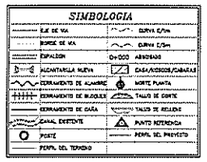


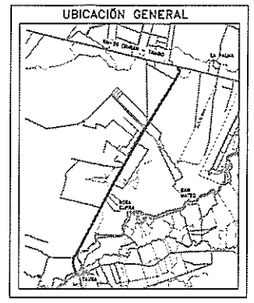
ESTACION 0+140.00



ESTACION 0+120.00







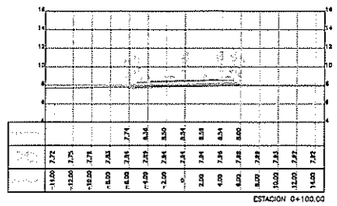
GOBIERNO PROVINCIAL
DEL GUAYAS

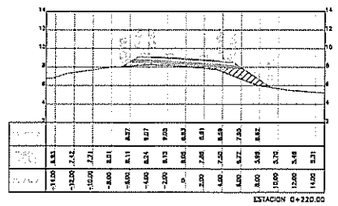
Dirección Provincial de Estudios y Proyectos

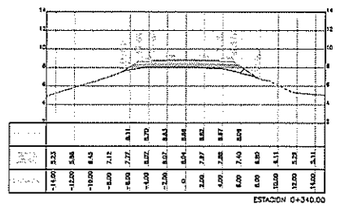
OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPROMISADA DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN PROVINCIA DEL GUAYAS.

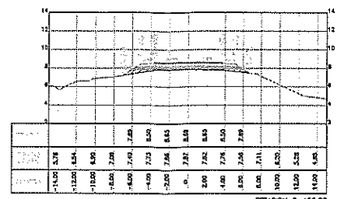
CONTENIDO: DISEÑO GEOMÉTRICO PLANTA - PERFIL - RAMAL DESDE 0+000 HASTA 0+143.35

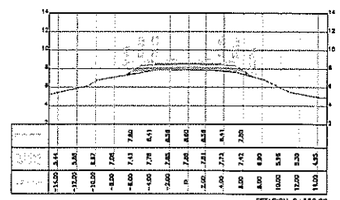
PREFECTA:	UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 - 2023	CANTÓN DURÁN
ELABORADO:	APROBADO:
ESCALA: INDICADAS	FECHA: DICIEMBRE/2020
	LÁMINA: 14/11

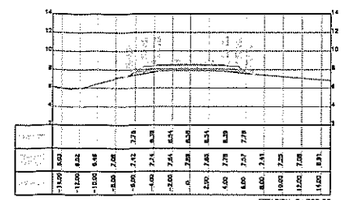


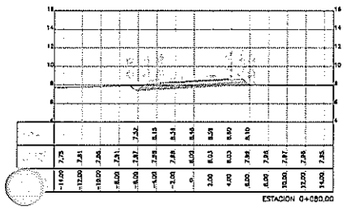


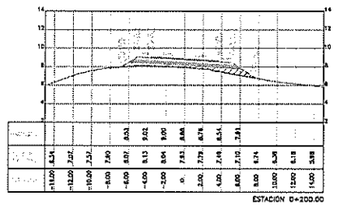


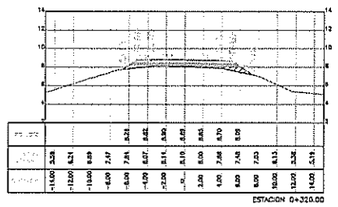


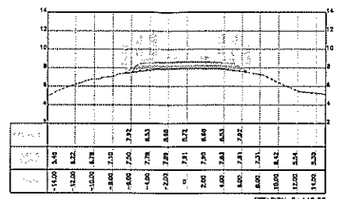


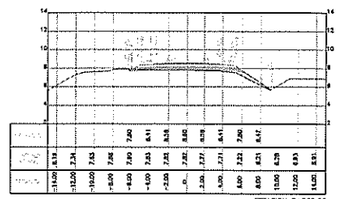


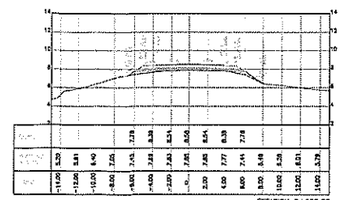


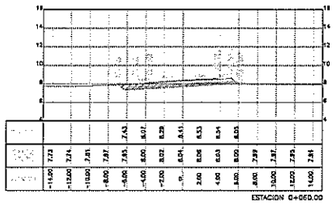


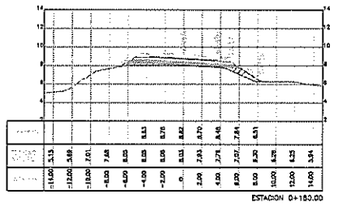


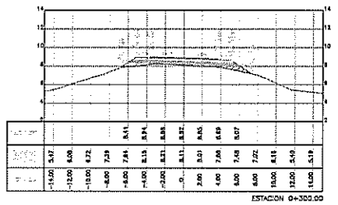


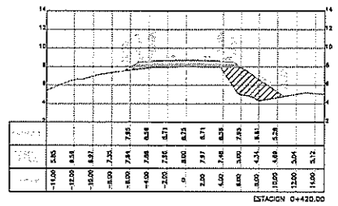


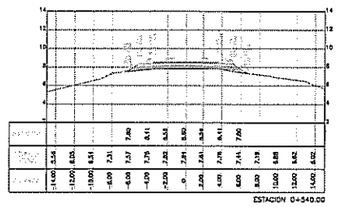


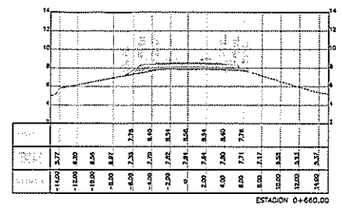


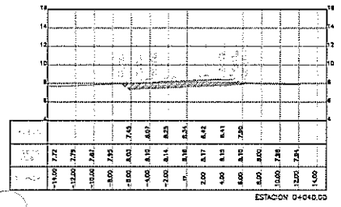


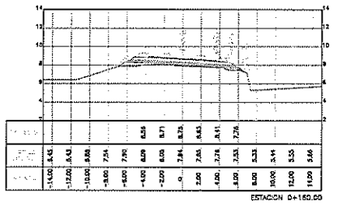


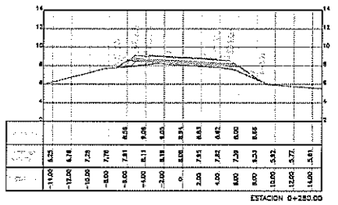


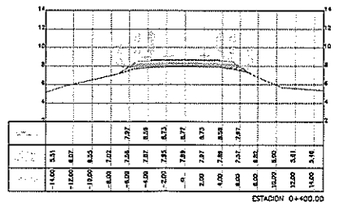


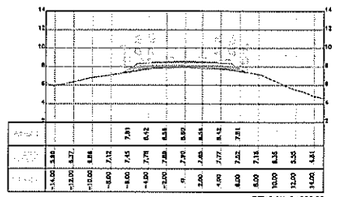


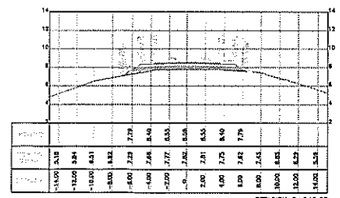


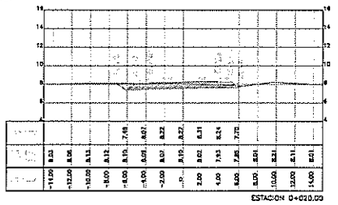


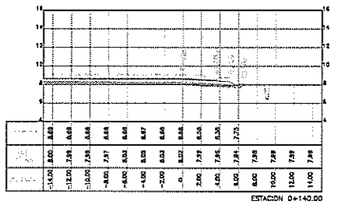


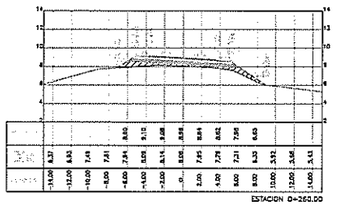


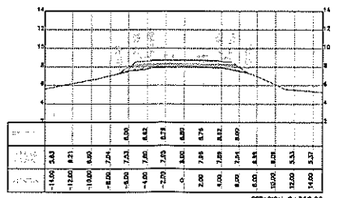


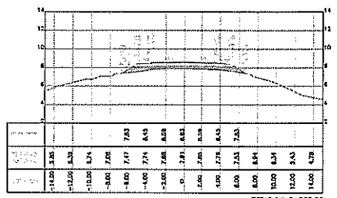


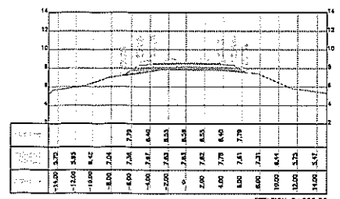


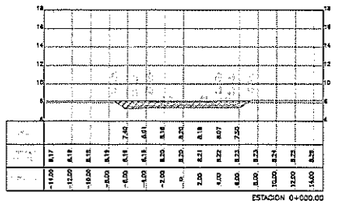


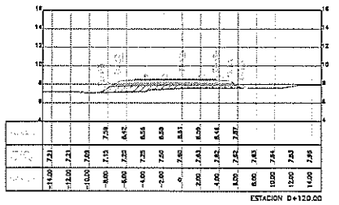


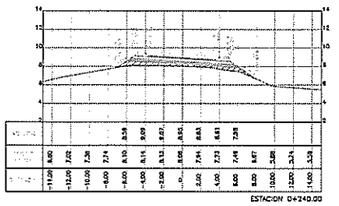


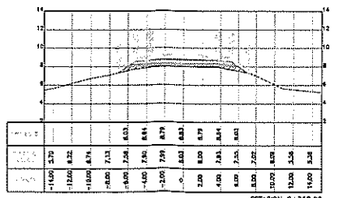


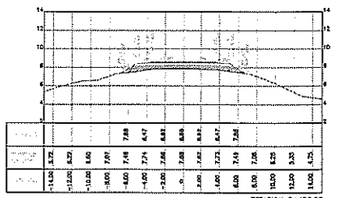


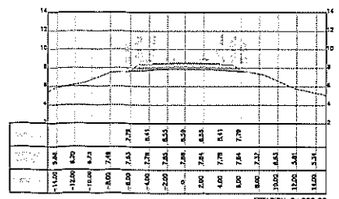












GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno Provincial del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONFORMADA DESDE EL KM 26 DE LA VÍA DURÁN - TAURA HASTA EL ESPIGÓN A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 0+000 HASTA 0+700

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACIÓN 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO: [illegible]
ESTUDIANTE DE INGENIERÍA CIVIL

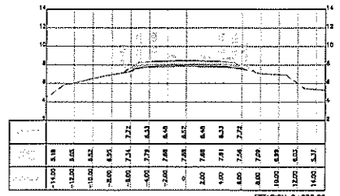
APROBADO: [illegible]
ING. ALEJANDRO VELOZ
DIRECTOR DE ESTUDIOS Y PROYECTOS

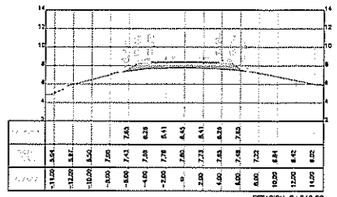
APROBADO: [illegible]
ING. [illegible]
Director de Estudios y Proyectos

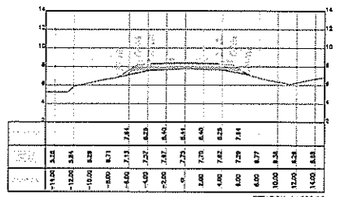
ESCALA: HORIZONTAL 1:100 VERTICAL 1:100

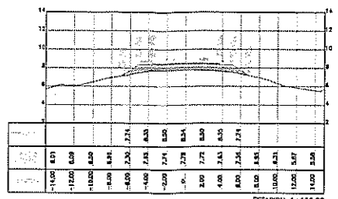
FECHA: DICIEMBRE/2020

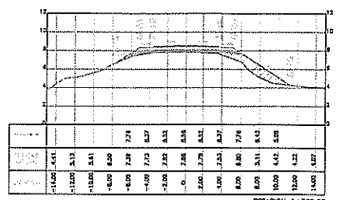
LÁMINA: 1/13

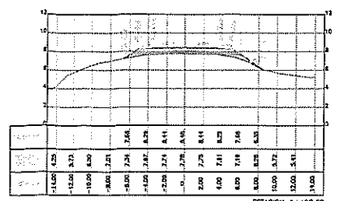

ESTACION 0+820.00

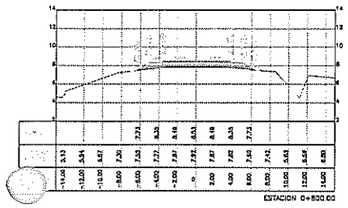

ESTACION 0+840.00

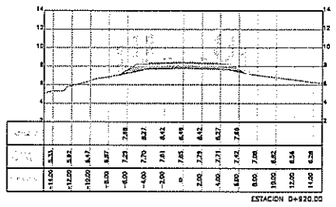

ESTACION 1+060.00

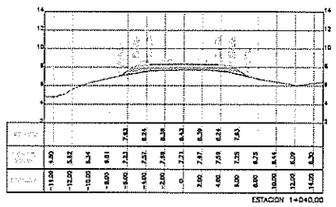

ESTACION 1+180.00

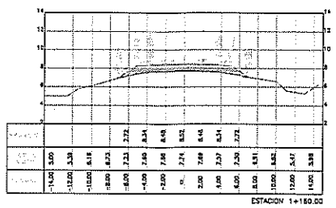

ESTACION 1+300.00

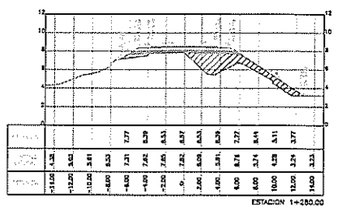

ESTACION 1+420.00

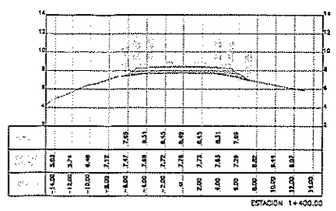

ESTACION 0+800.00

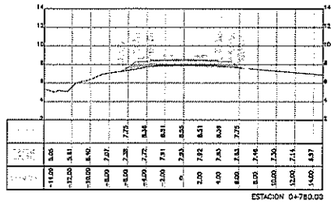

ESTACION 0+920.00

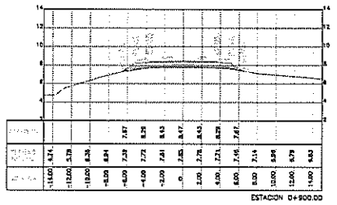

ESTACION 1+040.00

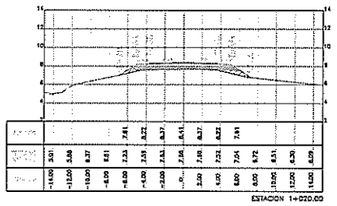

ESTACION 1+160.00

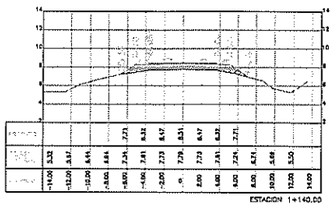

ESTACION 1+280.00

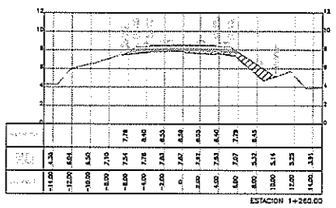

ESTACION 1+400.00

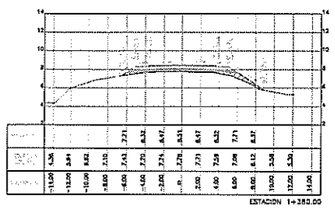

ESTACION 0+780.00

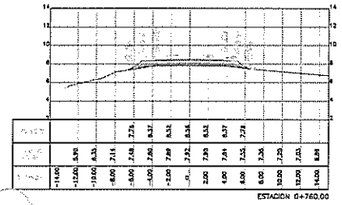

ESTACION 0+900.00

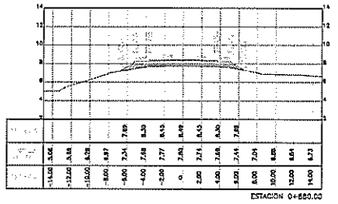

ESTACION 1+020.00

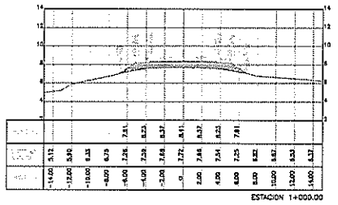

ESTACION 1+140.00

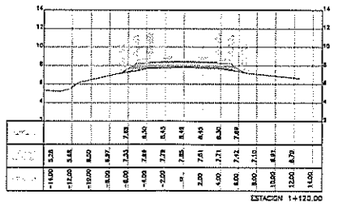

ESTACION 1+260.00

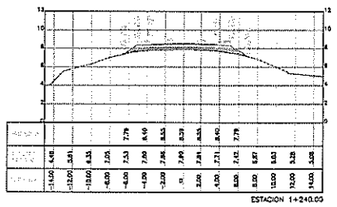

ESTACION 1+380.00

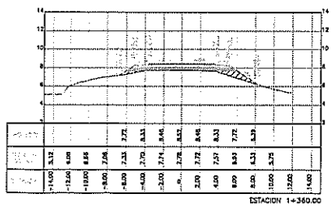

ESTACION 0+760.00

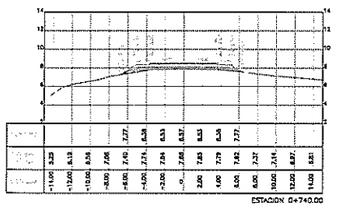

ESTACION 0+880.00

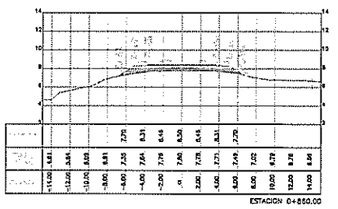

ESTACION 1+000.00

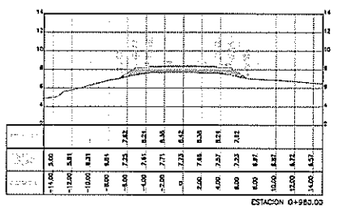

ESTACION 1+120.00

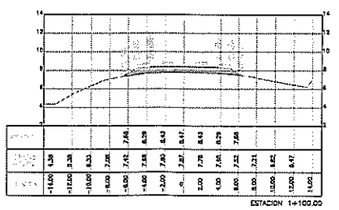

ESTACION 1+240.00

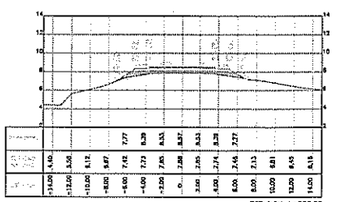

ESTACION 1+360.00

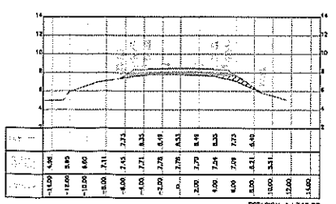

ESTACION 0+740.00

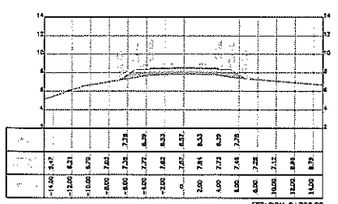

ESTACION 0+860.00

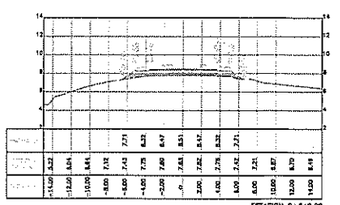

ESTACION 0+980.00

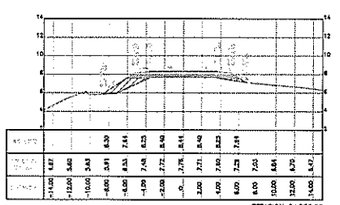

ESTACION 1+100.00

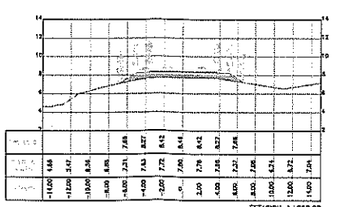

ESTACION 1+220.00

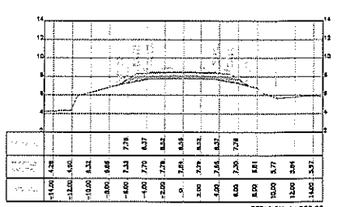

ESTACION 1+340.00

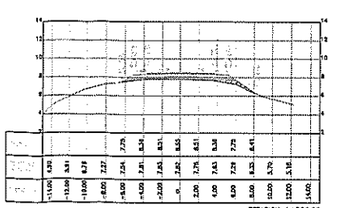

ESTACION 0+720.00


ESTACION 0+840.00


ESTACION 0+960.00


ESTACION 1+080.00


ESTACION 1+200.00


ESTACION 1+320.00

GOBIERNO PROVINCIAL
DEL GUAYAS

Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 00 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CARRETERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 0+720 HASTA 1+420

PREFECTA:	UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023	CANTÓN DURÁN
ELABORADO:	APROBADO:
ESCALA: HORIZONTAL:1/50 VERTICAL:1/50	FECHA: DICIEMBRE/2020

LÁMINA: 2/13

GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno Provincial del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONVENCIÓN DESDE EL KM 30 DE LA VÍA DURÁN - TAURA HASTA EL EMPALME A LA CARRETERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 2+160 HASTA 2+880

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACION 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO:

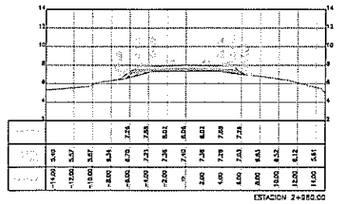
APROBADO:

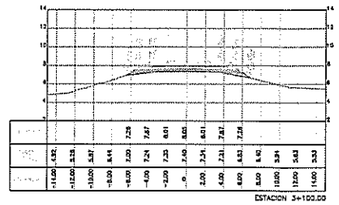
ESCALA: HORIZONTAL/1:100 VERTICAL/1:100

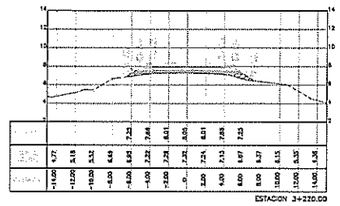
FECHA: DICIEMBRE/2020

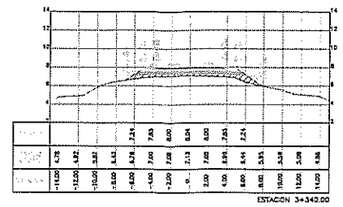
LÁMINA: 4/13

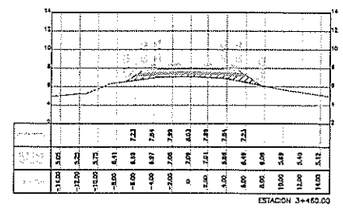
ESTACION 2+160.00
ESTACION 2+180.00
ESTACION 2+200.00
ESTACION 2+220.00
ESTACION 2+240.00
ESTACION 2+260.00
ESTACION 2+280.00
ESTACION 2+300.00
ESTACION 2+320.00
ESTACION 2+340.00
ESTACION 2+360.00
ESTACION 2+380.00
ESTACION 2+400.00
ESTACION 2+420.00
ESTACION 2+440.00
ESTACION 2+460.00
ESTACION 2+480.00
ESTACION 2+500.00
ESTACION 2+520.00
ESTACION 2+540.00
ESTACION 2+560.00
ESTACION 2+580.00
ESTACION 2+600.00
ESTACION 2+620.00
ESTACION 2+640.00
ESTACION 2+660.00
ESTACION 2+680.00
ESTACION 2+700.00
ESTACION 2+720.00
ESTACION 2+740.00
ESTACION 2+760.00
ESTACION 2+780.00
ESTACION 2+800.00
ESTACION 2+820.00
ESTACION 2+840.00
ESTACION 2+860.00

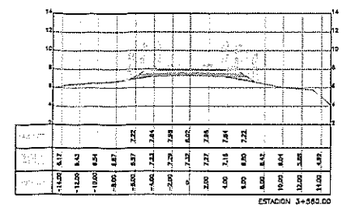


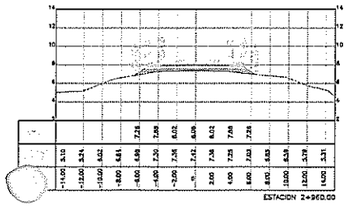


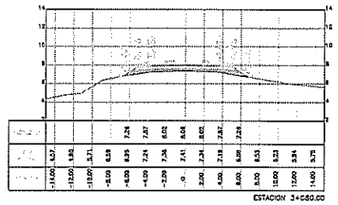


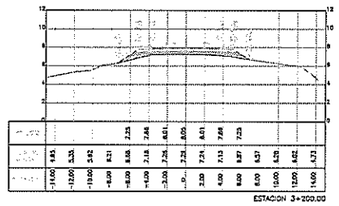


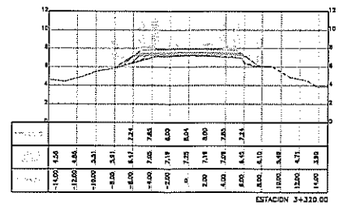


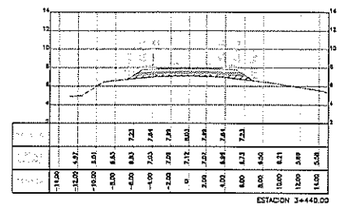


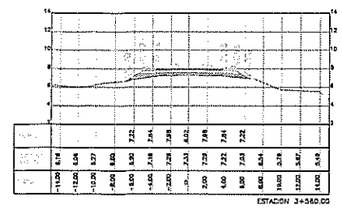


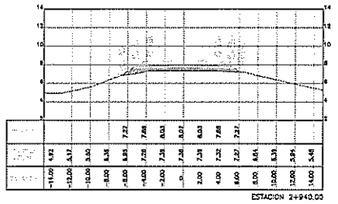


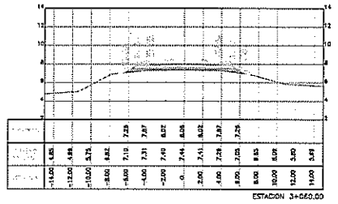


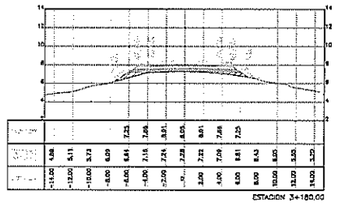


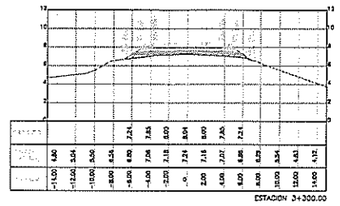


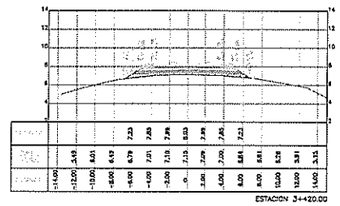


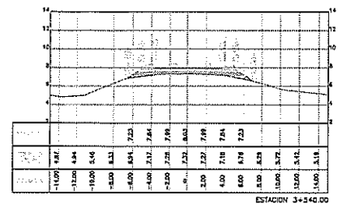


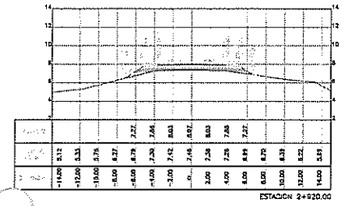


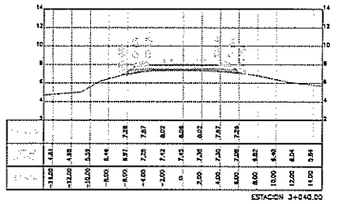


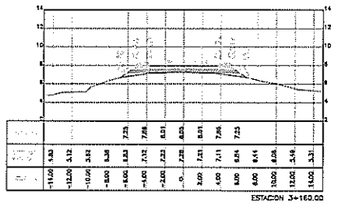


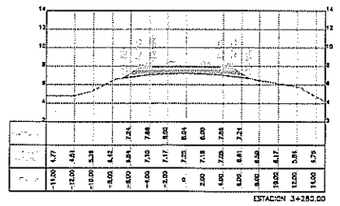


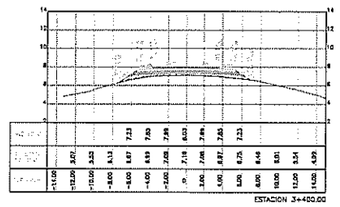


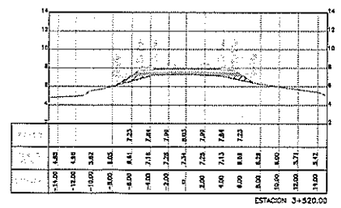


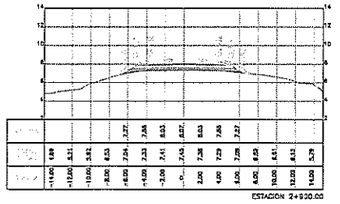


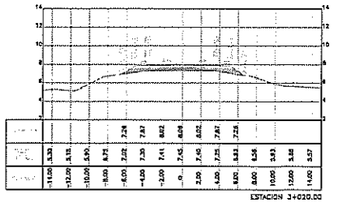


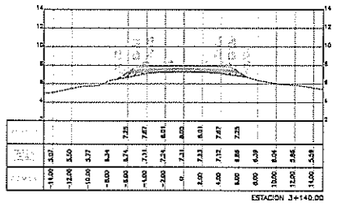


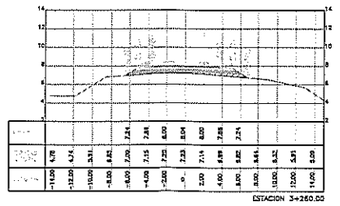


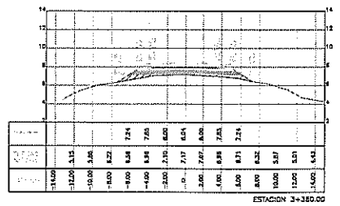


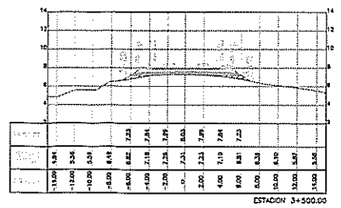


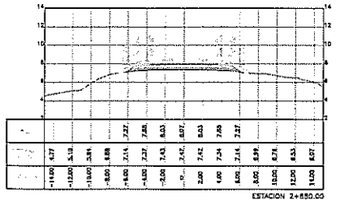


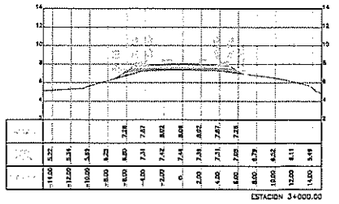


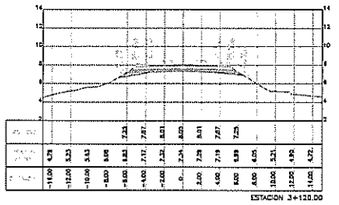


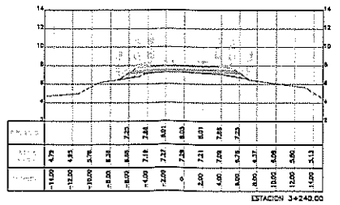


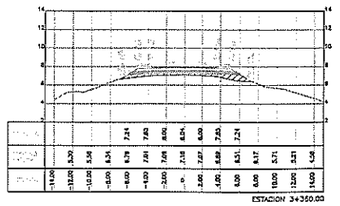


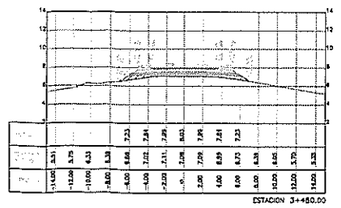












GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 20 DE LA VÍA DURÁN - TAURA HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 2+880 HASTA 3+580

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACIÓN 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

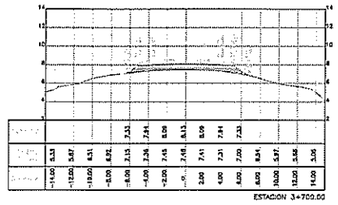
ELABORADO: ING. [illegible]
DIRECTOR DE ESTUDIOS Y PROYECTOS VIALES

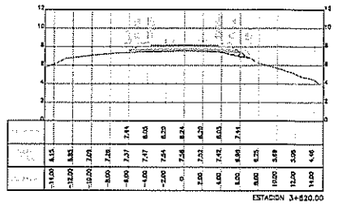
APROBADO: ING. [illegible]
DIRECTOR PROVINCIAL DE ESTUDIOS Y PROYECTOS

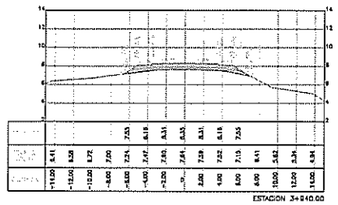
ESCALA: HORIZONTAL/VERTICAL 1:100

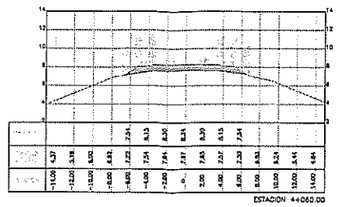
FECHA: DICIEMBRE/2020

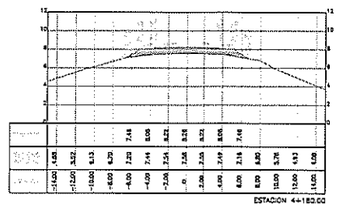
LÁMINA: 3/13

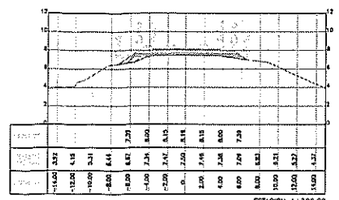


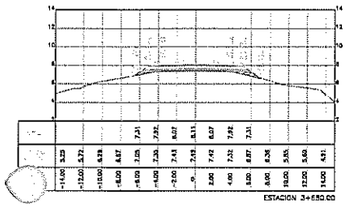


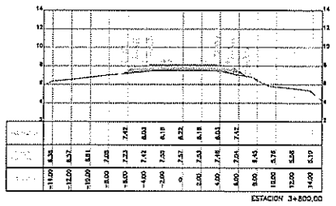


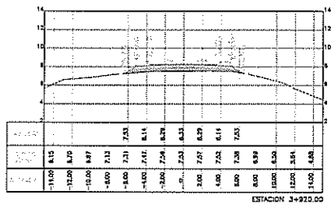


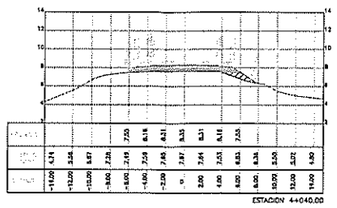


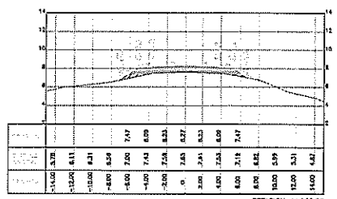


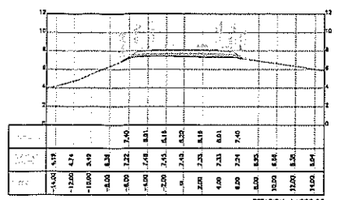


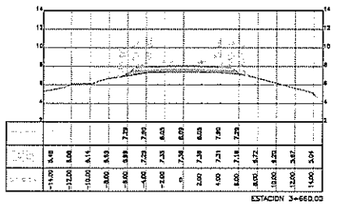


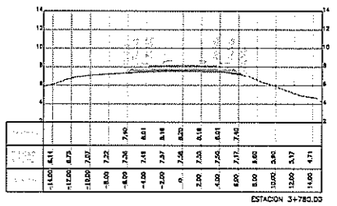


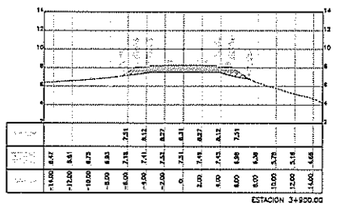


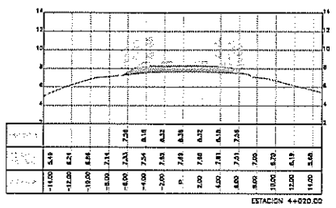


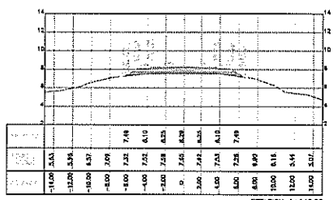


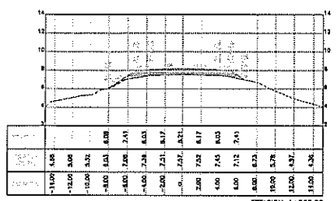


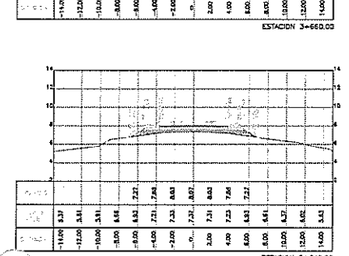


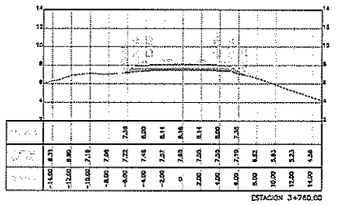


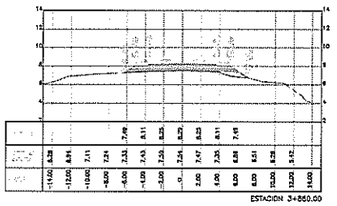


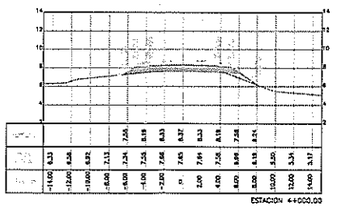


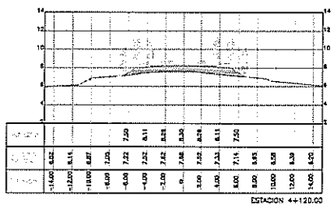


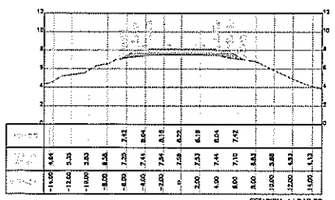


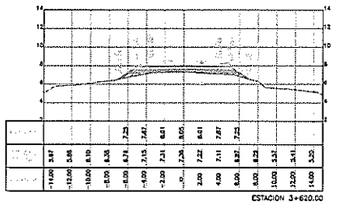


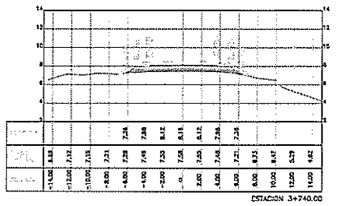


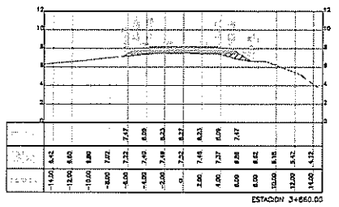


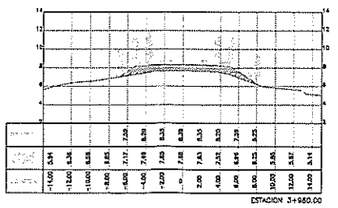


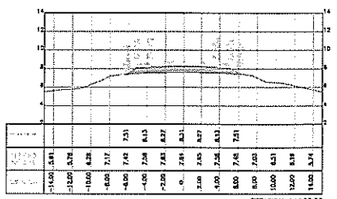


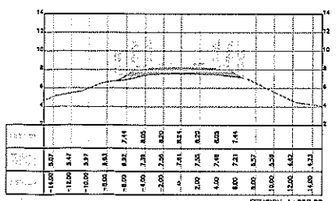


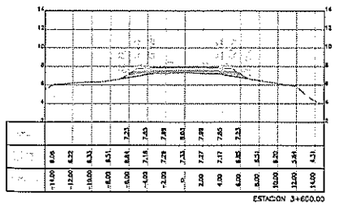


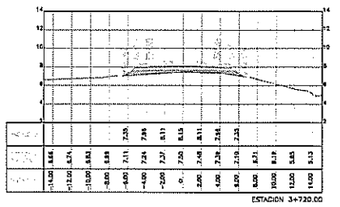


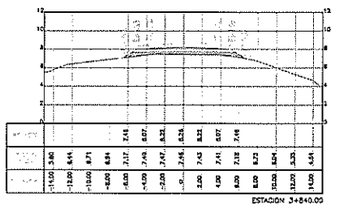


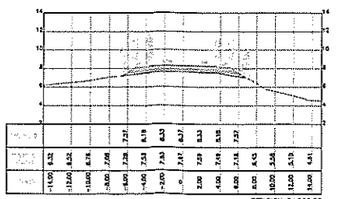


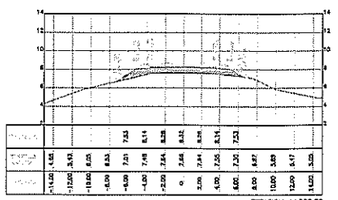


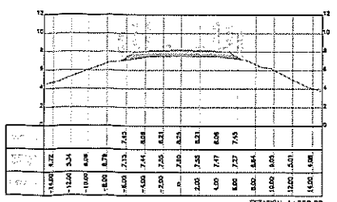












GOBIERNO PROVINCIAL
DEL GUAYAS

Prefectura del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPUESTA DESDE EL KM 22.5 E.V. A LA DURÁN - TAURA HASTA EL EMPALME A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA DESDE 3+200 HASTA 4+300

PREFECTA: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO: ING. MARCO PAÚL BERMEJO ESPECIALISTA EN VÍAS Y TRANSPORTE

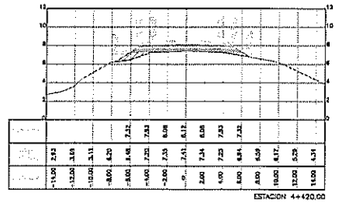
APROBADO: ING. RAIMUNDO VELASCO GERENTE DE ESTUDIOS Y PROYECTOS

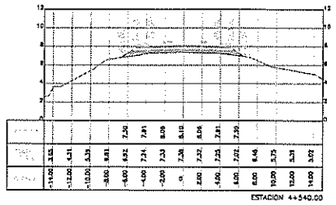
APROBADO: ING. JOSÉ CARLOS CHIRIBOGA DIRECTOR DE ESTUDIOS Y PROYECTOS

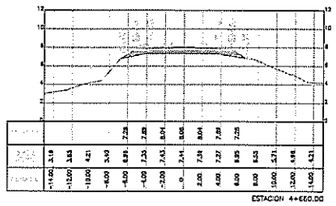
ESPECIALIDAD: HORIZONTALES Y VERTICALES

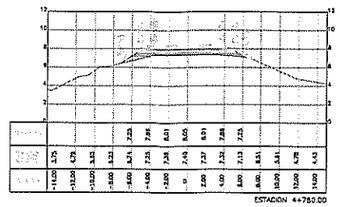
FECHA: DICIEMBRE/2020

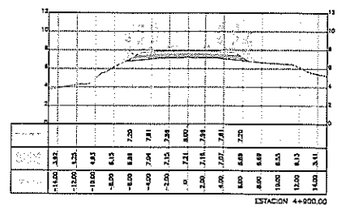
LÁMINA: 6/13

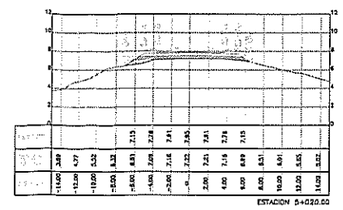


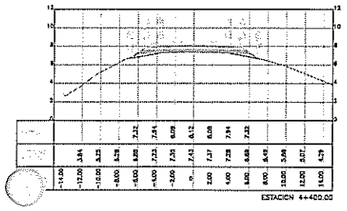


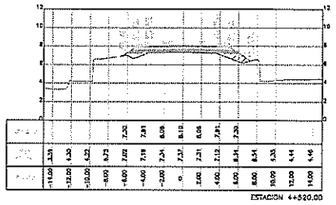


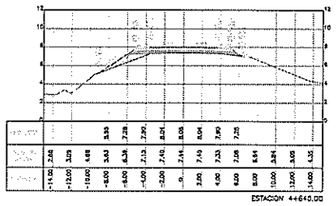


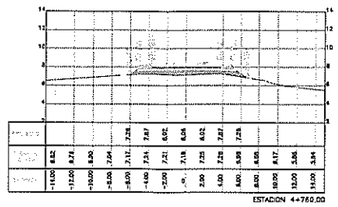


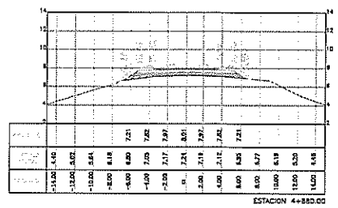


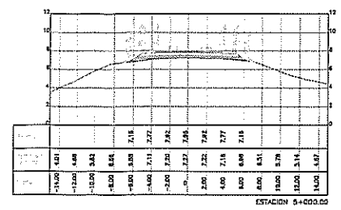


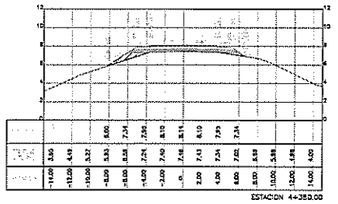


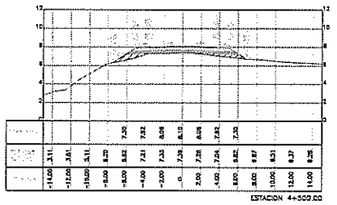


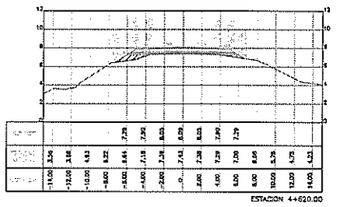


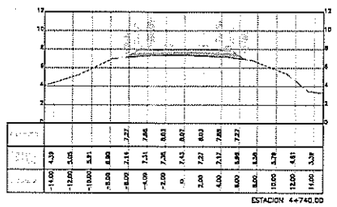


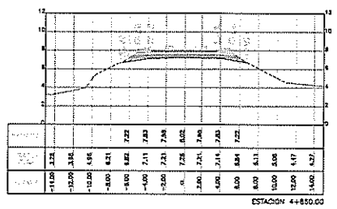


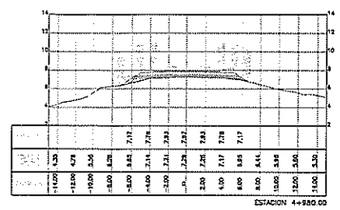


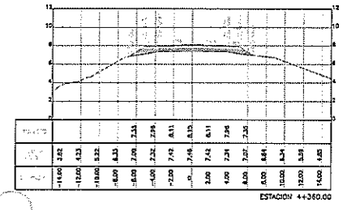


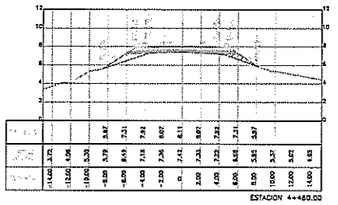


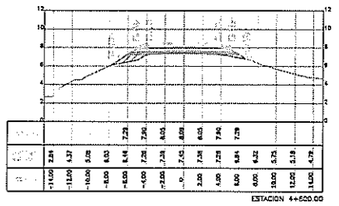


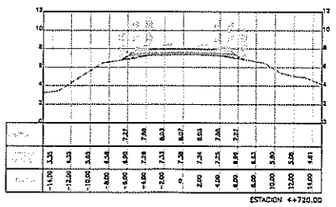


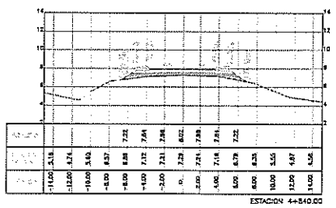


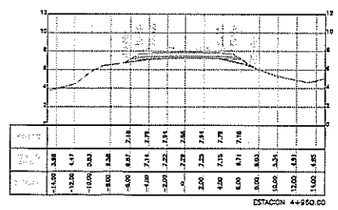


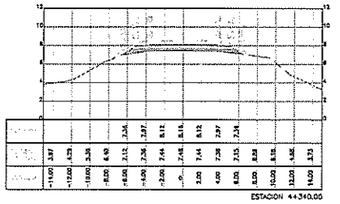


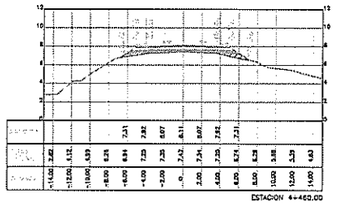


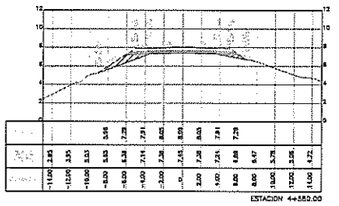


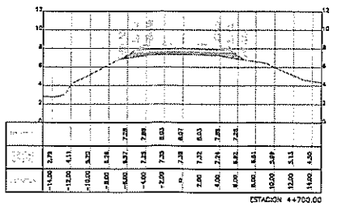


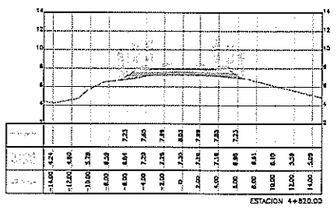


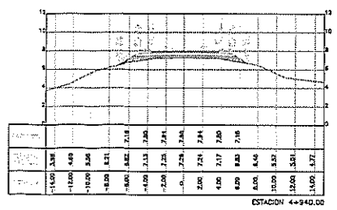


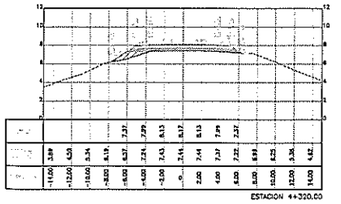


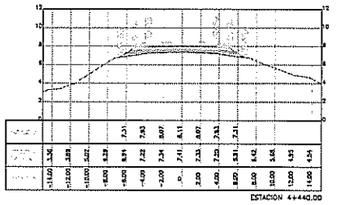


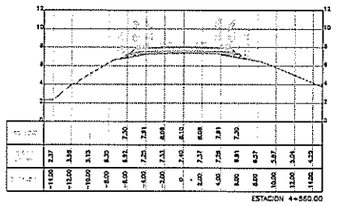


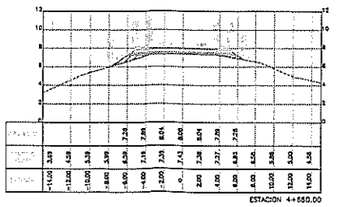


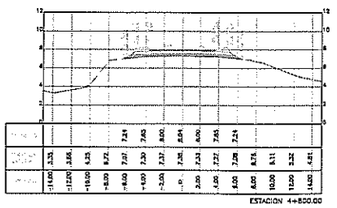


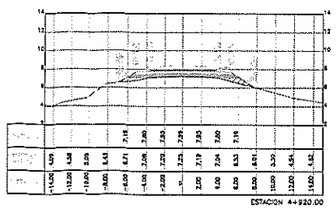












GOBIERNO PROVINCIAL
DEL GUAYAS

Prefectura del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 20 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 4+320 HASTA 5+020

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACIÓN 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO: ING. ANGELA BEATRIZ BERMEO CALDERÓN, MSC. EN PAVIMENTOS

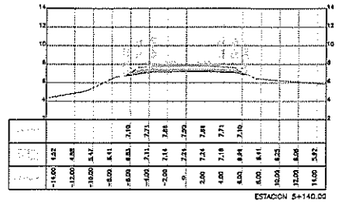
APROBADO: ING. ALEJANDRO VILLACÍS ESPINOZA, DIRECTOR DE ESTUDIOS Y PROYECTOS

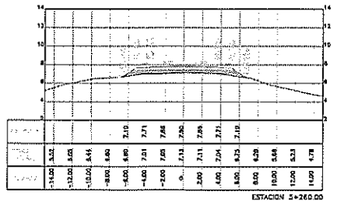
APROBADO: ING. JOSÉ LUIS TORRES Y PEÑAFIEL, DIRECTOR DE OBRAS Y PROYECTOS

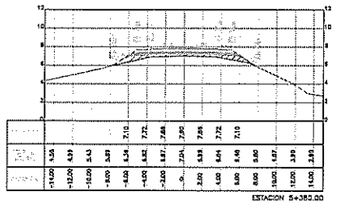
ESCALA: HORIZONTAL Y VERTICAL 1:100

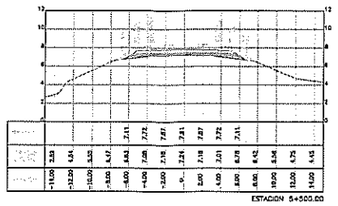
FECHA: DICIEMBRE/2020

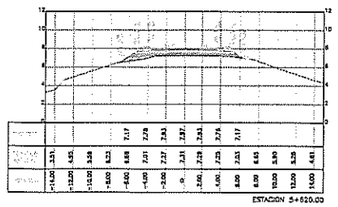
LÁMINA: 7/13

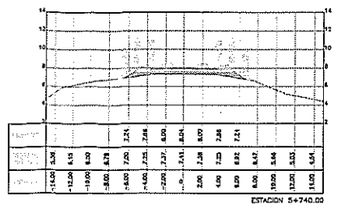


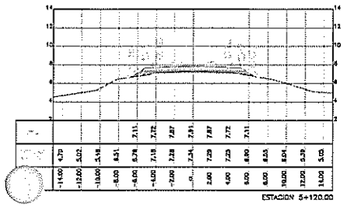


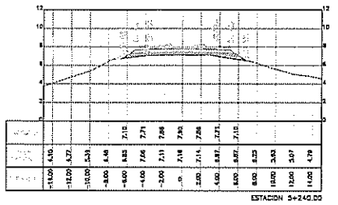


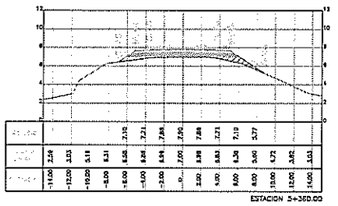


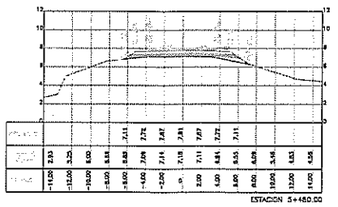


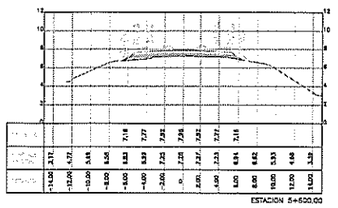


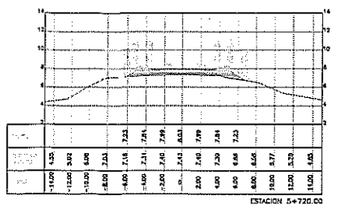


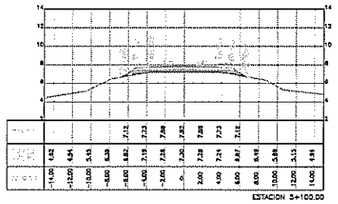


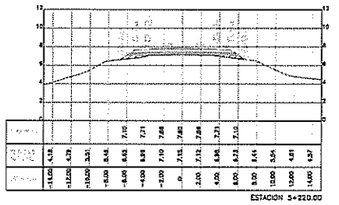


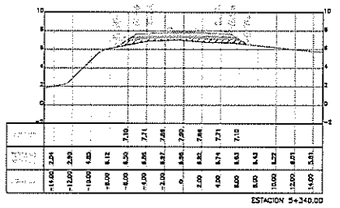


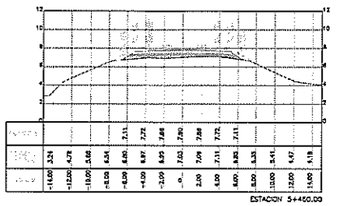


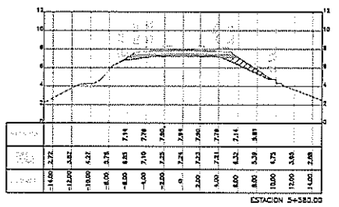


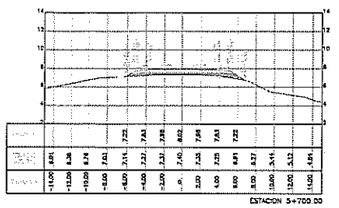


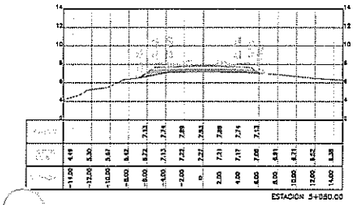


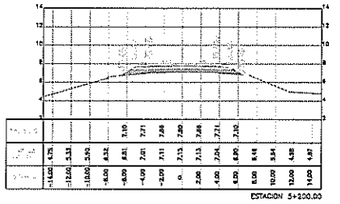


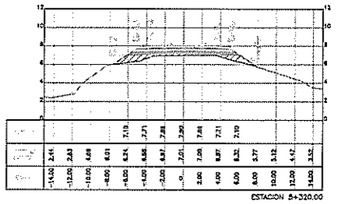


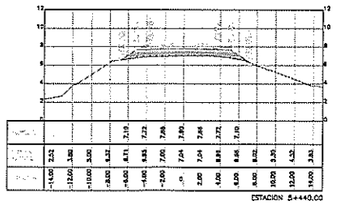


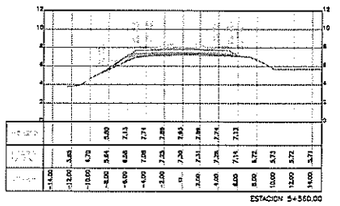


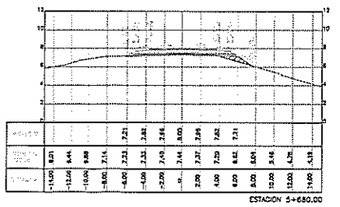


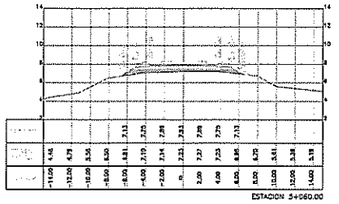


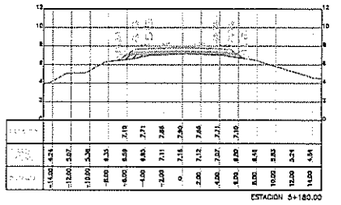


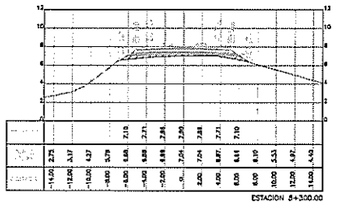


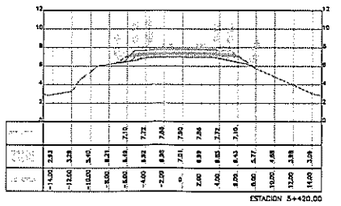


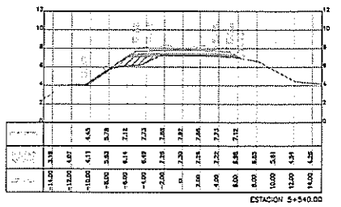


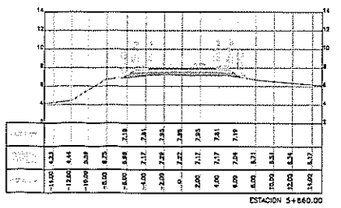


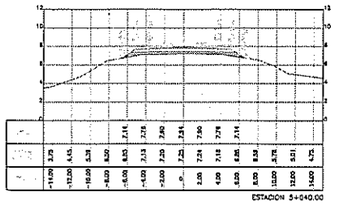


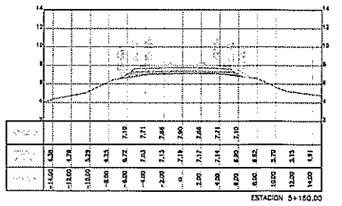


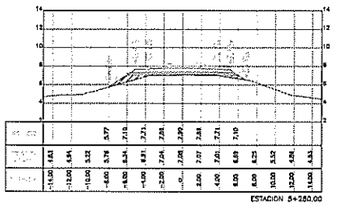


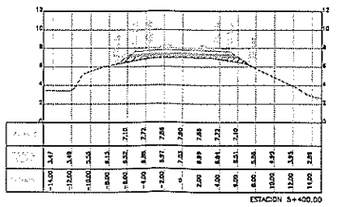


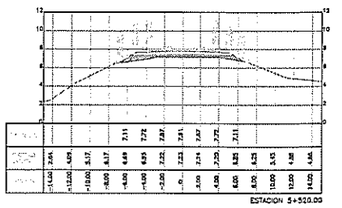


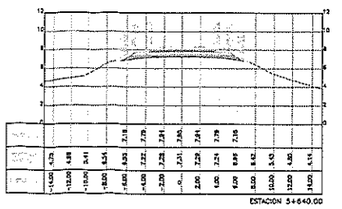












GOBIERNO PROVINCIAL
DEL GUAYAS

Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA CONSTITUCIONAL EJE DEL KM 0 DE LA VÍA DURÁN - TAURA HASTA EL EMPALME A LA CARRETERA DE LA PANAMERICANA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 5+040 HASTA 5+740

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACIÓN 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ESCALA: HORIZONTAL 1:100 / VERTICAL 1:100

FECHA: DICIEMBRE/2020

LÁMINA: 4/13

GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno Provincial del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 22.00 DE LA VÍA DURÁN - TAMBO HASTA EL EMPALME A LA CARRETERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES - TAURA DESDE 24760 HASTA 6+460

PREFECTA: MSC. SUSANA GONZALES ROSADO
ADMINISTRACIÓN 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

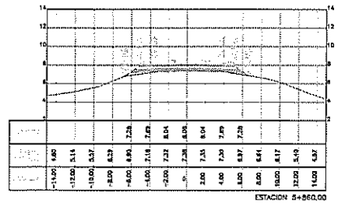
ELABORADO: ING. HENRY FRANCO MENDOZA / ING. ALEX PALACIOS VELASCO / ING. ANDRÉS ALVARADO

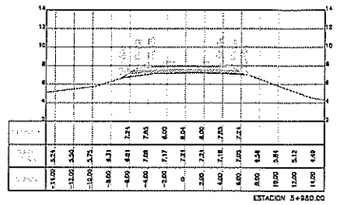
APROBADO: ING. ALEXANDRA VELASCO / DIRECTORA DE ESTUDIOS Y PROYECTOS

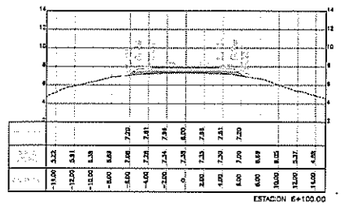
ESPECIALIDAD: HOJA DE SECCIONES TRANSVERSALES

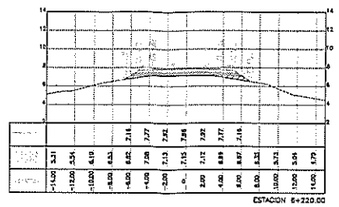
FECHA: DICIEMBRE/2020

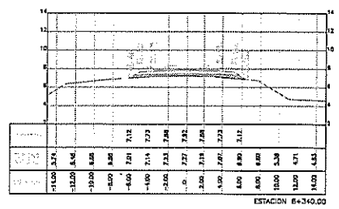
LÁMINA: 1/13

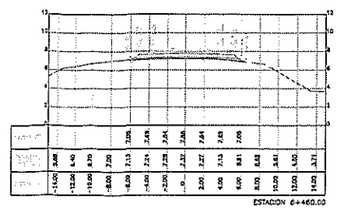

ESTACION 5+860.00

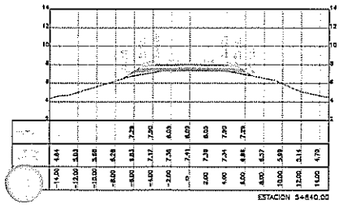

ESTACION 5+880.00

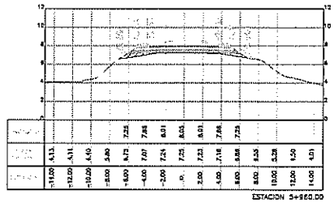

ESTACION 6+100.00

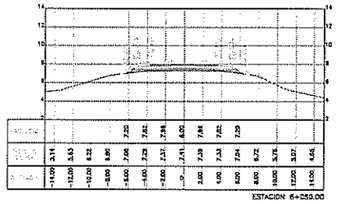

ESTACION 6+220.00

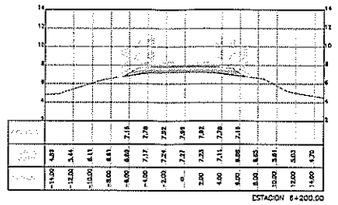

ESTACION 6+340.00

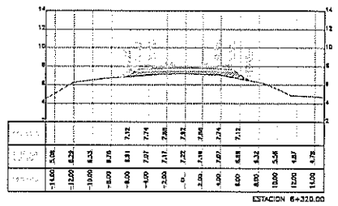

ESTACION 6+460.00

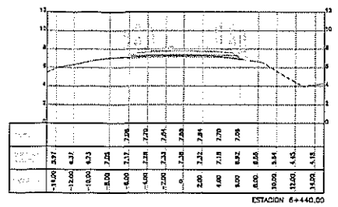

ESTACION 5+840.00

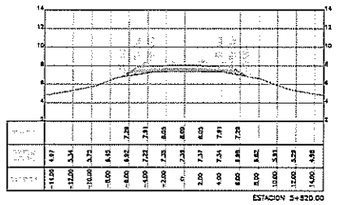

ESTACION 5+860.00

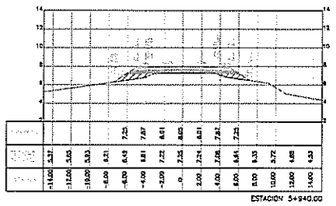

ESTACION 6+080.00

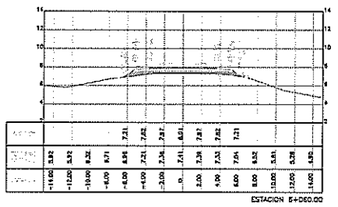

ESTACION 6+200.00

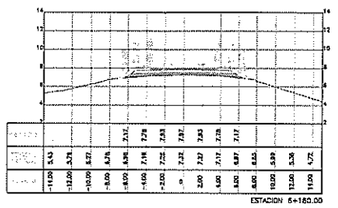

ESTACION 6+320.00

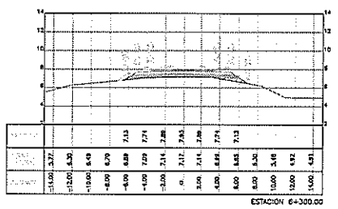

ESTACION 6+440.00

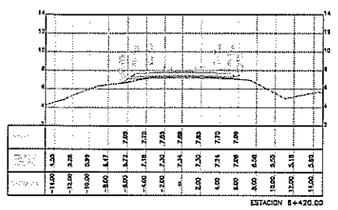

ESTACION 5+820.00

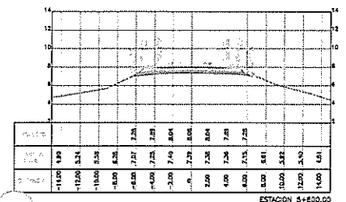

ESTACION 5+940.00

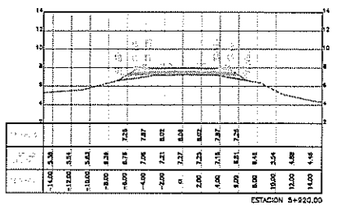

ESTACION 6+060.00

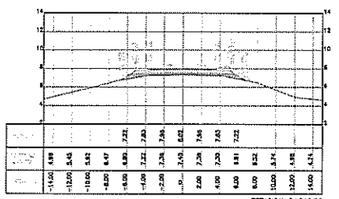

ESTACION 6+180.00

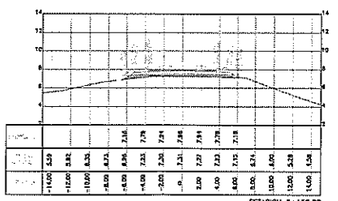

ESTACION 6+300.00

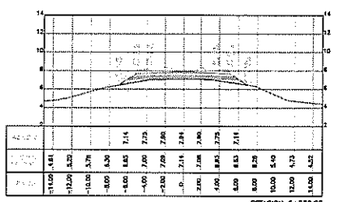

ESTACION 6+420.00

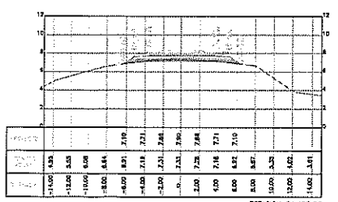

ESTACION 5+800.00

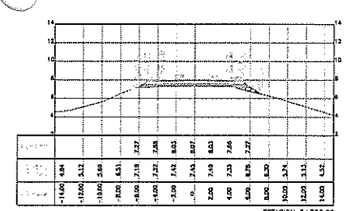

ESTACION 5+920.00

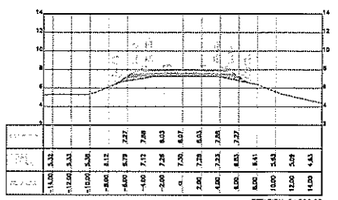

ESTACION 6+040.00

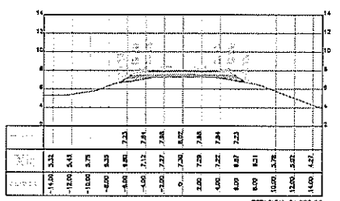

ESTACION 6+160.00

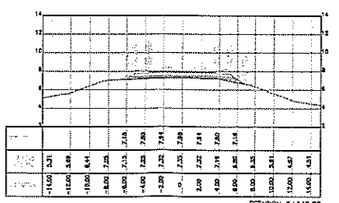

ESTACION 6+280.00

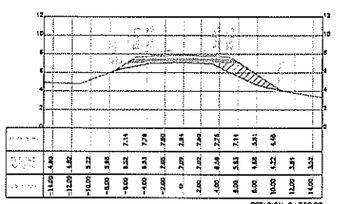

ESTACION 6+400.00

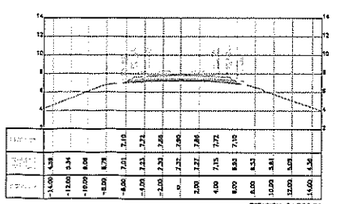

ESTACION 5+780.00

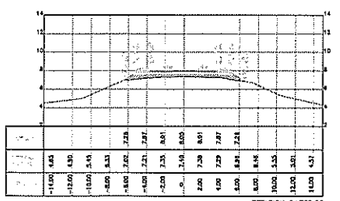

ESTACION 5+900.00

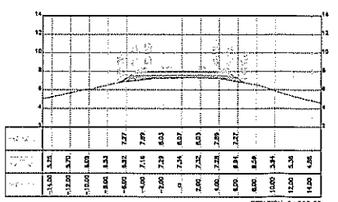

ESTACION 6+020.00

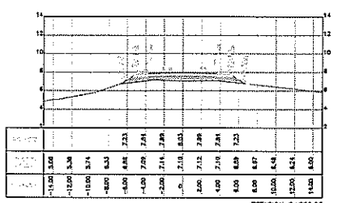

ESTACION 6+140.00

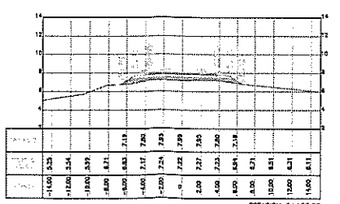

ESTACION 6+260.00

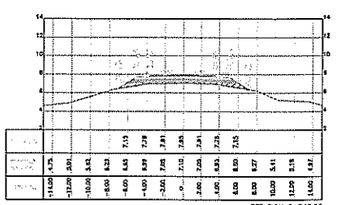

ESTACION 6+380.00

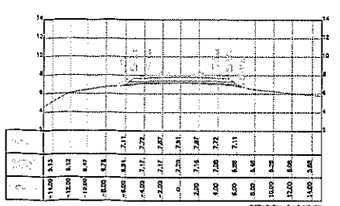

ESTACION 5+760.00


ESTACION 5+880.00


ESTACION 6+000.00


ESTACION 6+120.00


ESTACION 6+240.00


ESTACION 6+360.00

GOBIERNO PROVINCIAL
DEL GUAYAS

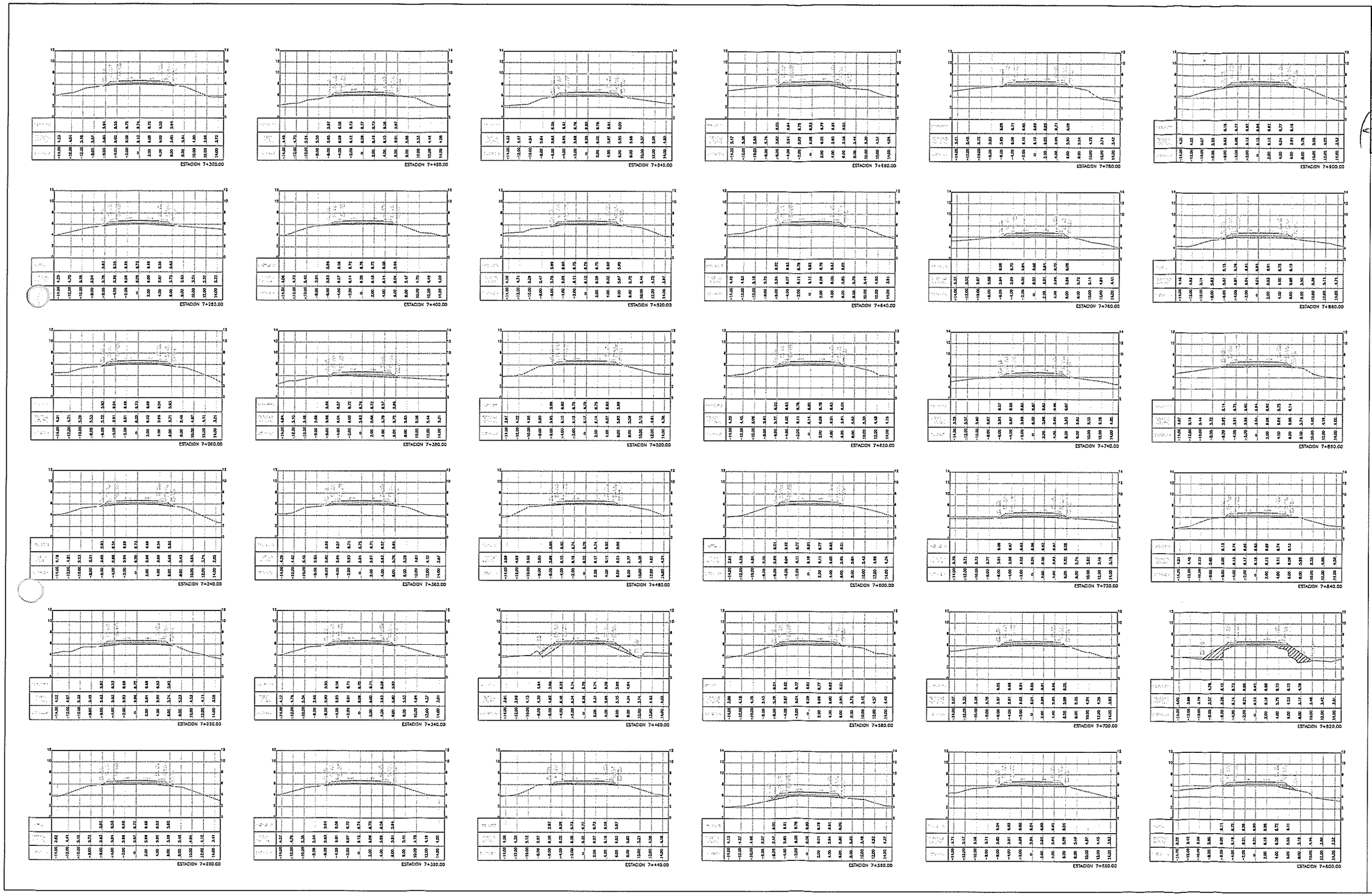
Gobierno Provincial del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 30 DE LA VÍA DURÁN - TAMBO HASTA EL INGRESO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES - TAURA
DESDE 6+480 HASTA 7+180

PREFECTA:		UBICACIÓN:
MSC. SUSANA GONZALES ROSADO ADMINISTRACIÓN 2020 - 2023		CANTÓN DURÁN
ELABORADO:	REVISADO:	APROBADO:
ESCALA: HORIZONTAL 1:100 VERTICAL 1:100	FECHA: DICIEMBRE/2020	HOJA 10/11

ESTACION 6+480.00
ESTACION 6+500.00
ESTACION 6+520.00
ESTACION 6+540.00
ESTACION 6+560.00
ESTACION 6+580.00
ESTACION 6+600.00
ESTACION 6+620.00
ESTACION 6+640.00
ESTACION 6+660.00
ESTACION 6+680.00
ESTACION 6+700.00
ESTACION 6+720.00
ESTACION 6+740.00
ESTACION 6+760.00
ESTACION 6+780.00
ESTACION 6+800.00
ESTACION 6+820.00
ESTACION 6+840.00
ESTACION 6+860.00
ESTACION 6+880.00
ESTACION 6+900.00
ESTACION 6+920.00
ESTACION 6+940.00
ESTACION 6+950.00
ESTACION 7+000.00
ESTACION 7+020.00
ESTACION 7+040.00
ESTACION 7+060.00
ESTACION 7+080.00
ESTACION 7+100.00
ESTACION 7+120.00
ESTACION 7+140.00
ESTACION 7+160.00
ESTACION 7+180.00



GOBIERNO PROVINCIAL DEL GUAYAS

Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPROMISA DESDE EL KM 55 DE LA VÍA DURÁN - TAMBO HASTA EL EMPEDRO A LA CABECERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN PROVINCIA DEL GUAYAS

CONTIENE: SECCIONES TRANSVERSALES – TAURA DESDE 7+200 HASTA 7+900

PREFECTA: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023

UBICACION: CANTÓN DURÁN

ELABORADO: [signature] ESPECIALISTA DE DISEÑO DE PROYECTOS

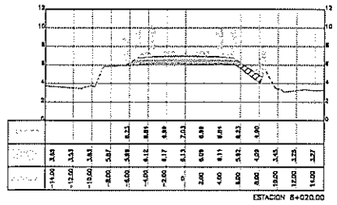
REVISADO: [signature] ING. RAUL WASHINGTON VILLAGRA SUBDIRECTOR DE ESTUDIOS Y PROYECTOS

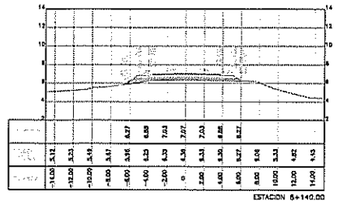
APROBADO: [signature] DIRECTOR DE ESTUDIOS Y PROYECTOS

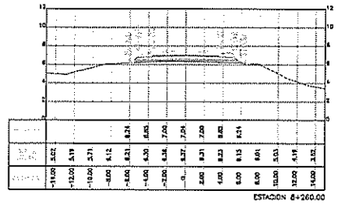
ESCALA: HORIZONTAL 1:100 VERTICAL 1:50

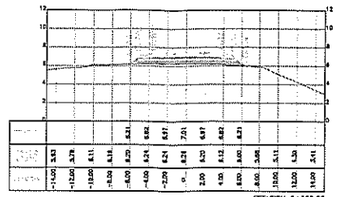
FECHA: DICIEMBRE/2020

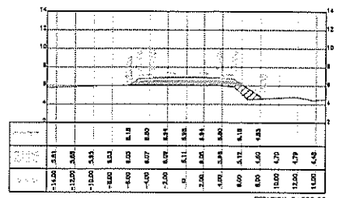
LAMINA: 1/13

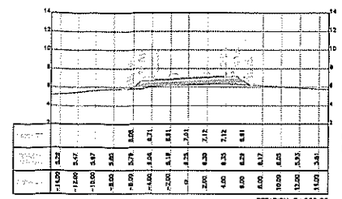

ESTACION 6+020.00

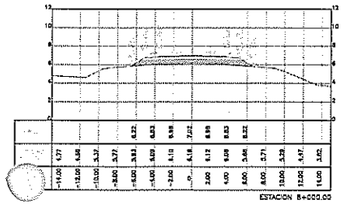

ESTACION 6+140.00

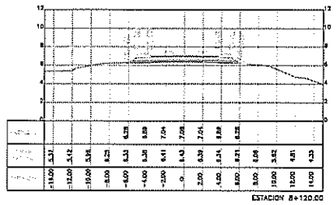

ESTACION 6+260.00

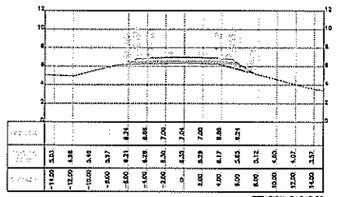

ESTACION 6+380.00

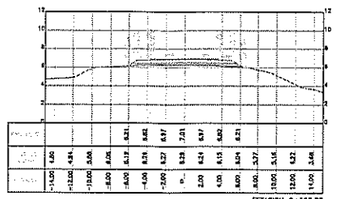

ESTACION 6+500.00

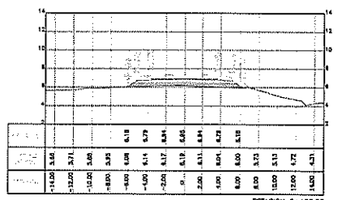

ESTACION 6+620.00

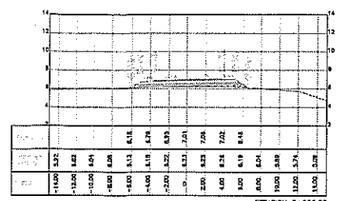

ESTACION 6+000.00

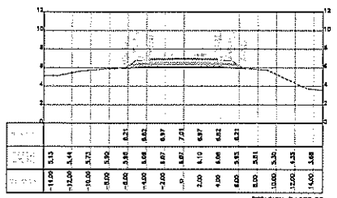

ESTACION 6+120.00

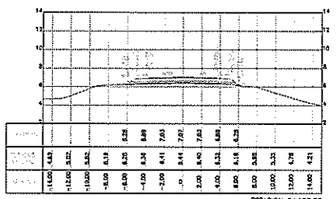

ESTACION 6+240.00

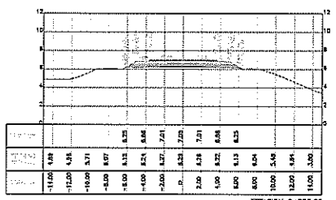

ESTACION 6+360.00

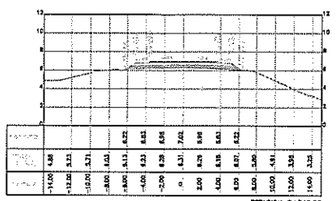

ESTACION 6+480.00

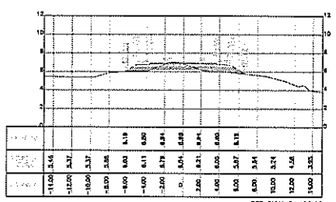

ESTACION 6+600.00

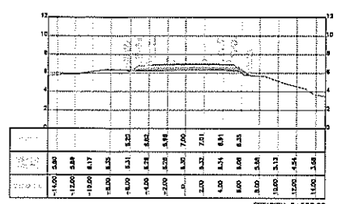

ESTACION 7+980.00

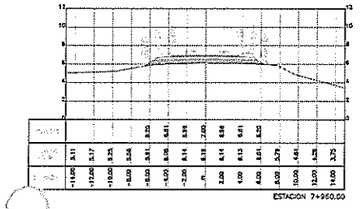

ESTACION 8+100.00

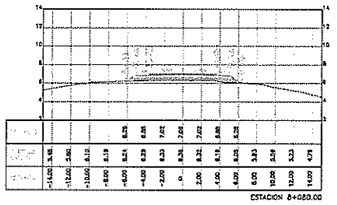

ESTACION 8+220.00

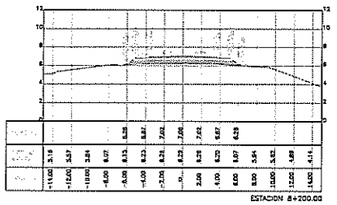

ESTACION 8+340.00

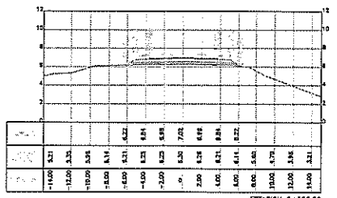

ESTACION 8+460.00

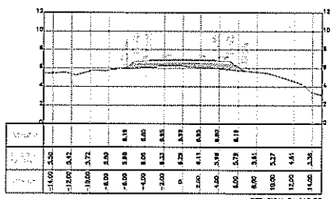

ESTACION 8+580.00

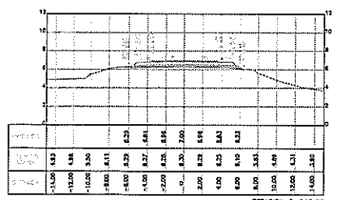

ESTACION 7+960.00

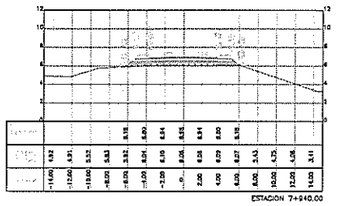

ESTACION 8+080.00

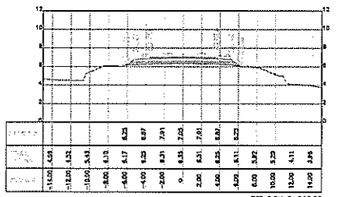

ESTACION 8+200.00

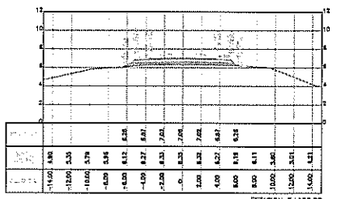

ESTACION 8+320.00

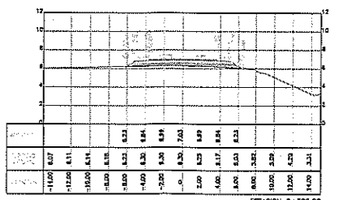

ESTACION 8+440.00

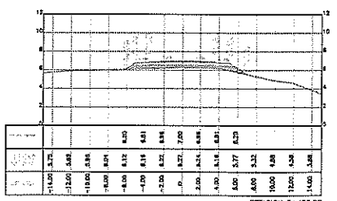

ESTACION 8+560.00

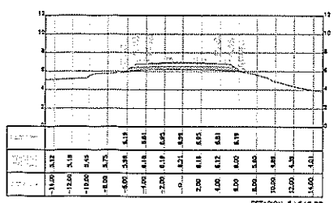

ESTACION 7+940.00

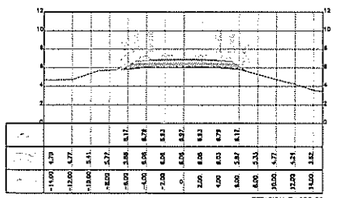

ESTACION 8+060.00

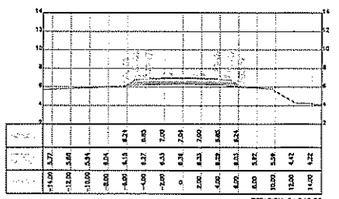

ESTACION 8+180.00

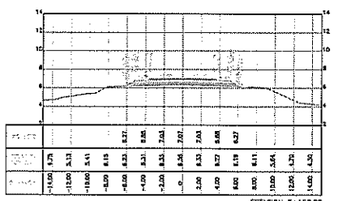

ESTACION 8+300.00

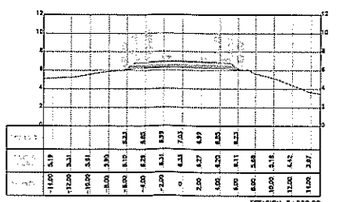

ESTACION 8+420.00

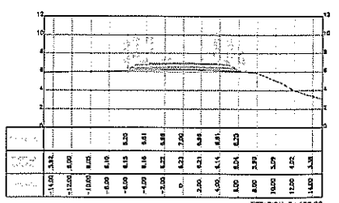

ESTACION 8+540.00

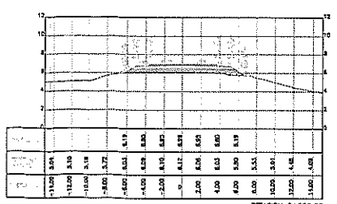

ESTACION 7+920.00


ESTACION 8+040.00


ESTACION 8+160.00


ESTACION 8+280.00


ESTACION 8+400.00


ESTACION 8+520.00

GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA COMPRENDIDA DESDE EL KM 23 DE LA VÍA DURÁN - TAURA HASTA EL EMPALME A LA CARRETERA PANAMERICANA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA DESDE 7+920 HASTA 8+620

PREFECTA: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023

UBICACIÓN: CANTÓN DURÁN

ELABORADO: ING. MARCELO MOLINA ANALISTA DE ESTUDIOS Y PROYECTOS

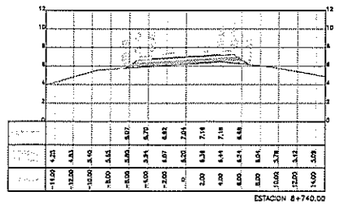
APROBADO: ING. FRANCISCO VILLAO DIRECTOR DE ESTUDIOS Y PROYECTOS

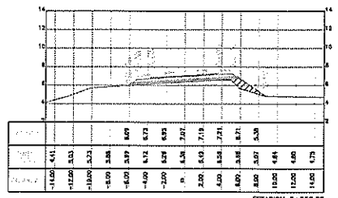
APROBADO: ARQ. JOSÉ CARRILLO DIRECTOR DE ESTUDIOS, DISEÑOS Y PROYECTOS

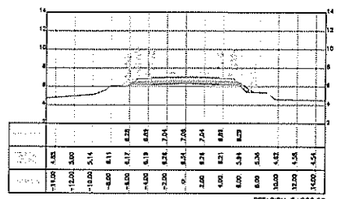
ESCALA: HORIZONTAL1/100 VERTICAL1/100

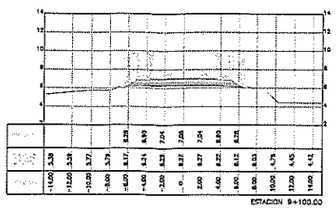
FECHA: DICIEMBRE/2020

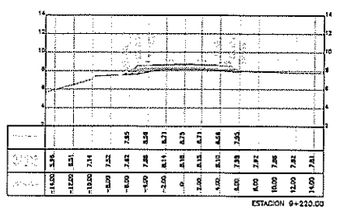
LÁMINA: 12/13

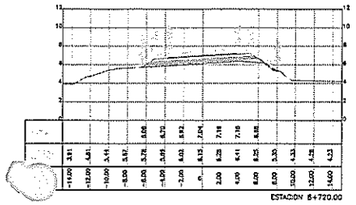

ESTACION 8+740.00

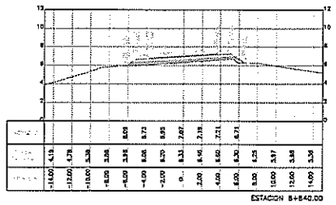

ESTACION 8+860.00

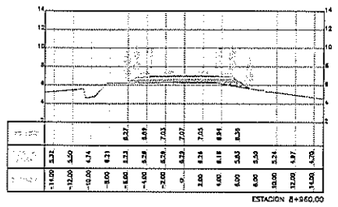

ESTACION 8+980.00

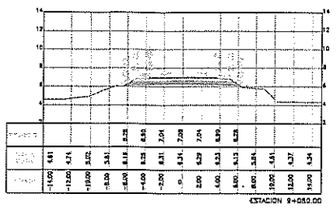

ESTACION 9+100.00

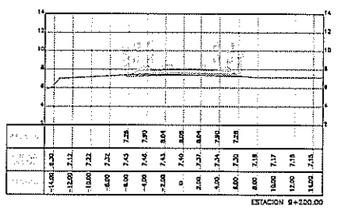

ESTACION 9+220.00

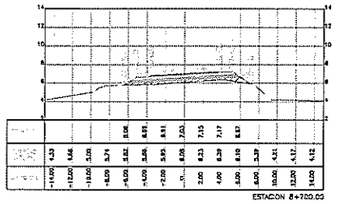

ESTACION 8+720.00

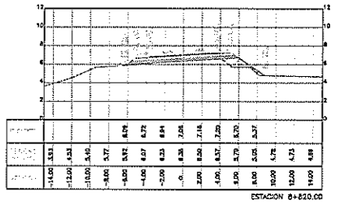

ESTACION 8+840.00

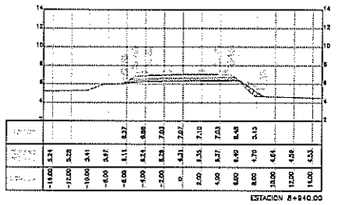

ESTACION 8+960.00

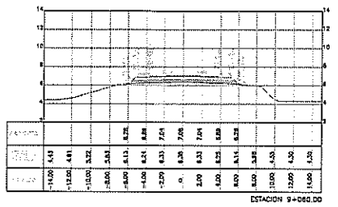

ESTACION 9+080.00

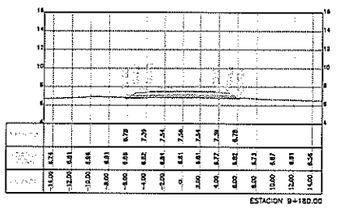

ESTACION 9+200.00

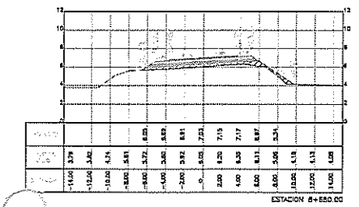

ESTACION 8+700.00

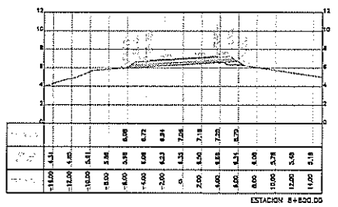

ESTACION 8+820.00

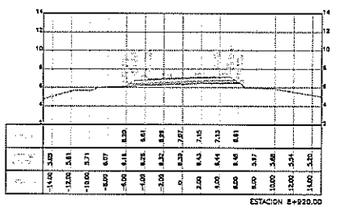

ESTACION 8+940.00

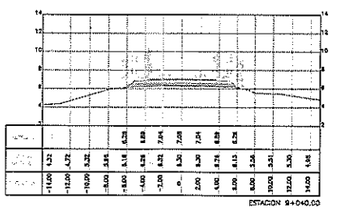

ESTACION 9+060.00

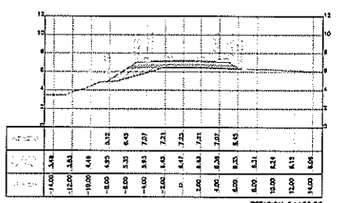

ESTACION 9+180.00

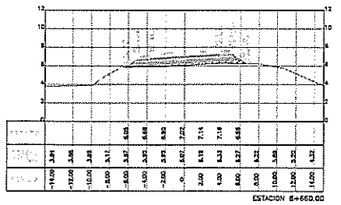

ESTACION 8+680.00

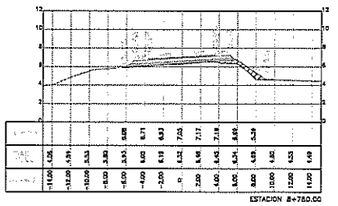

ESTACION 8+800.00

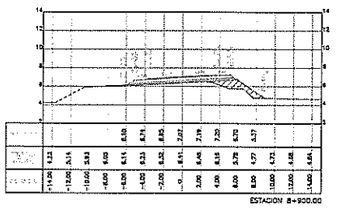

ESTACION 8+920.00

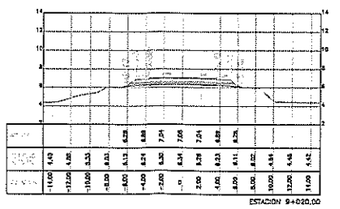

ESTACION 9+040.00

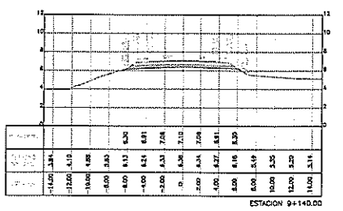

ESTACION 9+160.00

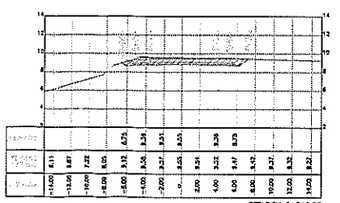

ESTACION 8+660.00

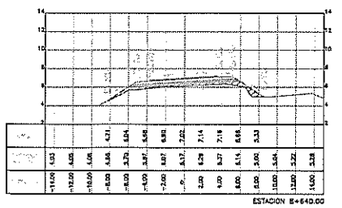

ESTACION 8+780.00

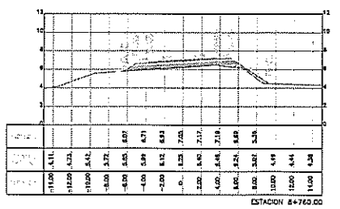

ESTACION 8+900.00

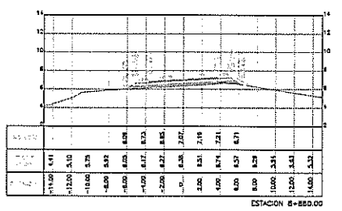

ESTACION 9+020.00

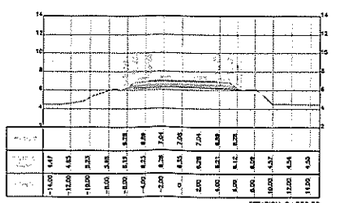

ESTACION 9+140.00

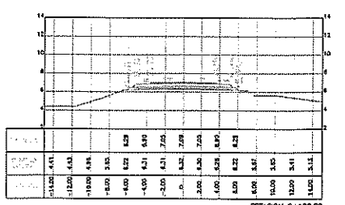

ESTACION 8+242.90

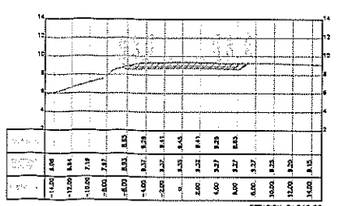

ESTACION 8+640.00


ESTACION 8+760.00


ESTACION 8+880.00


ESTACION 9+000.00


ESTACION 9+120.00


ESTACION 9+240.00

GOBIERNO PROVINCIAL
DEL GUAYAS

Gobierno del Guayas | Dirección Provincial de Estudios y Proyectos

OBRA: REHABILITACIÓN Y ASFALTADO DE LA VÍA EQUIPONDOA DESDE EL KM 0 DE LA VÍA DURÁN - TAURA HASTA EL ACCESO A LA CARRETERA DE LA PARROQUIA TAURA, UBICADA EN EL CANTÓN DURÁN, PROVINCIA DEL GUAYAS.

CONTIENE: SECCIONES TRANSVERSALES – TAURA
DESDE 8+940 HASTA 9+242.90

PREFECTA: MSC. SUSANA GONZALES ROSADO ADMINISTRACION 2020 – 2023		UBICACIÓN: CANTÓN DURÁN
ELABORADO:	REVISADO:	APROBADO:
ESCALAS: HORIZONTAL 1/50 VERTICAL 1/50	FECHA: DICIEMBRE/2020	LÁMINA: 9/13