



CI APRON İNŞAAT



CI APRON INŞAAT

معلومات عنا

C الشرق الأوسط وشمال إفريقيا في تركيا ، طلب العديد من الجوانب المتعلقة بالمطار ومشروع الرصف في مشاريع البناء ، وطلاءات خرسانية ، ومياه الأمطار ، APRON باعتبارها رصيفًا خرسانيًا عالي الجودة ، وطريق مطار APRON والصرف ، أعمال البنية التحتية مثل خطوط مياه الشرب ، وأعمال بناء القناة المغلفة بالخرسانة ، وطلاء خرسانة الأسطح ، وأنظمة الخرسانة المصبوبة للحدود ، والخرسانة النهائية ، والخرسانة الهزازة بخرسانة ذات صبغة احترافية.

هي شريكك في الحلول المتمحورة حول الجودة مع استهلاكه المهني والجودة في CI APRON CONSTRUCTION المشاريع المحلية والدولية.



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قائمة المعدات الآلية

- 2015 MODEL WIRTGEN SP500 SLIPFORM FINISHER
- 2010 MODEL HEM 12 - 72 RIDING FORM FINISHER
 - 2010 MODEL VOLVO ASPAHLT FINISHER
 - 2010 MODEL HIDROMEK EXCAVATOR
 - 2010 MODEL BOMAG CYLINDIR
 - 2010 MODEL DUMPER TURKCS
 - WATER TANKER
 - COMPRESORS



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HEM RIDING FORM



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WIRTGEN SP500



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مشاريع جارية

مطار أضنة كوكوروف الإقليمي

- 1.300.000 M2
- مطار ملاطية الرئيسي السابع
330.000M2
- مركز كونيا كاياسيك اللوجستي
5200.000 M2



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- مطار ملاطية الرئيسي السابع



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- مطار ملاطية الرئيسي السابع



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- مطار ملاطية الرئيسي السابع



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مرکز کونیا کایاسیک اللوجستی



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مرکز کونیا کایاسیک اللوجستی



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مرکز کونیا کایاسیک اللوجستی



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KONYA KAYACIK LOJİSTİK MERKEZİ



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ANAHTAR TESLİM ÜST YAPI PROJELERİ

- RAMADI - IRAQ ONCOLOGY HOSPITAL
- HILLA - IRAQ ONCOLOGY HOSPITAL
- BASRAH - IRAQ ONCOLOGY
HOSPITAL
- SÜLEYMANİYE - IRAQ HOSPITAL
- İZMİR ADATEPE APARTMENTS
COMPLEX
- AMASRA HELİPED TESİSİ



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مستشفى الأورام الرمادي



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مستشفى الأورام الرمادي



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مستشفى الأورام الرمادي



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مستشفى الأورام الرمادي



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مستشفى الأورام الرمادي



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مستشفى الأورام في البصرة



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مستشفى الأورام في البصرة



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مستشفى هيللا للأورام



CI APRON İNŞAAT



مستشفى هيللا للأورام



CI APRON İNŞAAT



مستشفى هيللا للأورام



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- منشأة أماصرة المروحية



CI APRON İNŞAAT



- منشأة أماصرة المروحية



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مشاريع خارجية مكتملة

- مطار تونس
- مطار دمشق
- مطار عشق اباد
- مطار الرياض
- مطار تبليسي
- مطار جدة



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مطار تونس



CI APRON İNŞAAT



مطار دمشق



CI APRON İNŞAAT



مطار عشق اباد



CI APRON İNŞAAT



مطار الرياض



CI APRON İNŞAAT



مطار تبليسي



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المشاريع المنجزة في تركيا

• مطار أغدير

225.000 M2

• مطار بينغول

247.000 M2

• مطار كوتاهيا الإقليمي

300.000 M2

• مطار ديار بكر

133.000 M2

• مطار ماردين كيزيلتيب

250.000 M2

• مطار مو

380.000 M2



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المشاريع المنجزة في تركيا

- مدرسة اسبارتا البرية للطيران

580.000 M2

- مطار ازمير عدنان مندريس

50.000 M2

- مطار قونيا

50.000 M2

- مطار غوكن اسطنبول صبيحة

180.000 M2

45.000 M2 مطار أنطاليا



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المشاريع المنجزة في تركيا

- مطار أوساك
240.000 M2
- مطار مرعش
110.000 M2
- مطار كارس
48.000 M2
- مطار أضنة شاكيرباشا
110.000 M2
- مطار غازي عنتاب
130.000 M2
- مطار إدريميت
40.000 M2



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المشاريع المنجزة في تركيا

- بوابة هابر الحدودية
300.000 M2
- بوابة هاتاي سيلفيغوزو الحدودية
70.000 M2
- SARP بوابة الحدود
50.000 M2
- مطار باتمان
80.000 M2



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مشاريع الطرق الخرسانية المنجزة

- شارع إزميت كارتبيي للخرسانة
19 KM
- طريق قرية طرابزون
25 KM
- لائحة الساحل بين أفجیلار توزلا
500.000 M2
- الطريق الدائري أضنة شاكيرباشا
13 KM



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مطار إğdır



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مطار بينجول



CI APRON İNŞAAT



مطار كوتاهايا الإقليمي



CI APRON İNŞAAT



مطار ديار بكر



CI APRON İNŞAAT



امطار ماردين



CI APRON İNŞAAT



مدرسة اسبارتا البرية للطيران



CI APRON İNŞAAT



مطار ازمير عدنان مندس



CI APRON İNŞAAT



مطار قونيا



CI APRON İNŞAAT



مطار غوكن اسطنبول صبيحة



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انتهاء المهمة



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COMPLETION CERTIFICATE
(Sub-Contractor – Work Completion)

Date : 02.07.2013

1. Work holder Administration ^(a)	: General Directorate Of State Airports Authority Of Turkey (DHİMİ)
2. Client ^(b)	: TAV TEPE AKFEN YATIRIM İNŞAAT ve İŞLETME A.Ş.
3. Name of core business and tender registration number if any	: AIRPORT CONSTRUCTION
4. Work place	: İZMİR / TURKEY
5. Subcontractor name/surname or trade name	: DİZAYN PİST BETON YOL İNŞAATI SAN. TİC. LTD. ŞTİ.
6. ID number/Tax Identification Number	: 301 054 9838
7. Work carried out by the subcontractor ^(c)	: Apron Excavation, Backfilling & Construction
8. Applied construction technique ^(d)	:
9. Main work contract date	: 30 November 2012
10. Initial contract price of the main work ^(e)	: 1.081.335,47 (Turkish Lira)
11. Total contract value of the main work ^(f)	:
12. Date of contract between the subcontractor and the contractor ^(g)	: 7 January 2013
13. Value of the contract made between the subcontractor and contractor ^(h)	: 1.081.335,47 (Turkish Lira)
14. Partial/ Qualified acceptance of the work carried out by the subcontractor ⁽ⁱ⁾	:
15. Temporary Acceptance of the main work	: Not completed yet
16. Total amount of document ^(j)	:

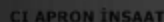
SIGNATURE

TAV TEPE AKFEN
YATIRIM İNŞAAT ve İŞLETME A.Ş.
Atatürk Havalimanı G11 Havalimanı Terminali
Yatırımlar Bölgesi
Büyükdere Caddesi No: 1332/330 1521

EXPLANATIONS

- (a) Name of the administration conducting the Work Contract shall be written.
(b) Name, surname or trade name of the work contractor shall be written.
(c) Description of work of the contract made between Subcontractor and Contractor shall be written.
(d) Regarding the specific characteristics of the building/construction; in terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, precast concrete and similar shall be written. Also, prefabricated construction, tooling, body construction technique and other similar matters showing the procedure for construction as well as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area and number of floors shall be written.
(e) All changes of prices and VAT excluded, if any discounts made from the tender, the contract price/value shall be written.
(f) Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).
(g) Date of Contract made between the subcontractor and the Main Work contractor.
(h) Price of Contract made between the subcontractor and the Main Work contractor.
(i) In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
(j) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (13) and the work carried out by the subcontractor described in item (7) shall be written.

Standart Form — KHK027.9/Y
Completion Certificate (subcontractor work completion)



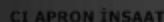
Date : 03.07.2013

1. Work holder Administration ^(a)	: ZAFER Havalimanı Yatırım A.Ş.
2. Client ^(b)	: İC İçtaş İnşaat A.Ş.
3. Name of core business and tender registration number if any	: Construction Contracting Company
4. Work place	: Kütahya-TÜRKİYE
5. Subcontractor name/surname or trade name	: Düzayn Pist Beton Yol İnşaatı San.Tic.Ltd.Şti.
6. ID number/Tax Identification Number	: -
7. Work carried out by the subcontractor ^(c)	: Concrete Pavement Works
8. Applied construction technique ^(d)	: Republic of Turkey Ministry of Transport, Maritime Affairs and Communications , Directorate of Railways, Ports and Airports Specifications No:9-R, No:6-R and No: 4-B; TS 5926 EN 14188 2
9. Main work contract date	: 06.07.2011
10. Initial contract price of the main work ^(e)	: 50.000.000€
11. Total contract value of the main work ^(f)	: 50.000.000€
12. Date of contract between the subcontractor and the contractor ^(g)	: 28.03.2012
13. Value of the contract made between the subcontractor and contractor ^(h)	: 3.564.300TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor ⁽ⁱ⁾	: 10.11.2012
15. Temporary Acceptance of the main work	: 20.11.2012
16. Total amount of document ^(j)	: 3.564.300TL

SIGNATURE
On Behalf of Project Manager
İCİTAS inşaat
İCİTAS İnşaat Sanayi ve Ticaret A.Ş.
Nispetiye Sokak No: 106 C/04 Kat: 7 34390 Beşiktaş / İSTANBUL
Tic. Sic. No: 272190 Mers: 081000127219000000

EXPLANATIONS

- (f) *Name of the administrator conducting the Work Contract shall be written.*
- (g) *Name, surname or trade name of the work contractor shall be written.*
- (h) *Description of work of the contract made between Subcontractor and Contractor shall be written.*
- (i) *Regarding the specific characteristics of the building/contractor in terms of materials/characteristics such as brick or stone masonry, reinforced concrete, steel, wood, pressure and so on, and similar shall be written; also, prefabricated construction, isolation, body construction technique and other similar matters showing the procedure for construction as well as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area (and number of floors shall be written.*
- (j) *All changes of prices and VAT excluded, if any discounts made from the tender, the contract price/value shall be written.*
- (k) *Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).*
- (l) *Date of Contract made between the subcontractor and the Main Work contractor.*
- (m) *Price of Contract made between the subcontractor and the Main Work contractor.*
- (n) *In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.*
- (o) *The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item(13) and the work carried out by the subcontractor described in item (7) shall be written.*



(Sub-Contractor – Work Completion)

Date : 05. July, 2013

1. Work holder Administration ^(a)	: MSB, İnş. Emlak ve Nato Gdv. Yat. D. Bşk. İlg.
2. Client ^(a)	: Baytur İnş. Taah. A.Ş. & Koçoğlu İnş. San. Tarım ve Hayvancılık Tic. A.Ş. Ortak Girişim.
Address	: Abidin Daver Sok.
3. Name of core business and tender registration number if any	: İsparta Kara Havaçılık Okul Komutanlığı İskan Tesisleri İnşaatı
4. Work place	: 21.01.2011.....2010/55/1935
5. Subcontractor name/surname or trade name	: Runway, Taxiway and Aprons
6. ID number/Tax Identification Number	: Dizayn Pist Beton Yol İnşaatı San. ve Tic. Ltd. Şti.
7. Work carried out by the subcontractor ^(c)	: Mehmet Akif Ersoy Cad. No:92/1 Şirinyer/Buca İzmir/Turkey
8. Applied construction technique ^(d)	: Tel:00902324870774 Fax:00902324261358
9. Main work contract date	: Şirinyer V.D. No: 3014391468
10. Initial contract price of the main work ^(f)	: Excavation, Sub-basic, Basic, PMT, Weak Concrete, Concrete quality
11. Total contract value of the main work ^(f)	: Airport construction of infrastructure and superstructure construction
12. Date of contract between the subcontractor and the contractor ^(a)	: 13.07.2011
13. Value of the contract made between the subcontractor and contractor ^(a)	: 142.500.000,- TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor ^(b)	: 149.743.762,50 TL
15. Temporary Acceptance of the main work	: 13.11.2012
16. Total amount of document ^(f)	: 6.000.000,- TL
	: 30.06.2013 %70
	: 7.500.000,- TL

SIGNATURE

[illegible]

Atilla DEGERLİYURT
İnşaat Mühendisi
Santiye Sefi

EXPLANATIONS

- | EXPLANATIONS | |
|--------------|--|
| a) | Name of the administration conducting the Work Contract shall be written |
| b) | Name, surname or trade name of the work contractor shall be written |
| c) | Description of work of the contract made between Subcontractor and Contractor shall be written. |
| d) | Regarding the specific characteristics of the building/contruction; in terms of materials characteristics such as brick or stone, masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, as matters showing the physical size of the construction such as construction area, audience capacity, closed/indoor exhibition area and number of floors shall be written |
| e) | All changes of prices and VAT excluded, (if any discounts made from the tender, the contract price/worth shall be written |
| f) | Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made) |
| g) | Date of Contract made between the subcontractor and the Main Work contractor. |
| h) | Price of Contract made between the subcontractor and the Main Work contractor. |
| i) | In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written. |
| j) | The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item(73) and the work carried out by the subcontractor described in item (7) shall be written |

Standard Form — K/K027.0/Y
Completion Certificate (subcontractor work completion)



CI APRON İNŞAAT



BAŞAK İNŞAAT

COMPLETION CERTIFICATE
(Sub-Contractor – Work Completion)

Date : 10.07.2013

1. Work holder Administration ^(1a)	: GENERAL DIRECTORATE OF STATE AIRPORTS AUTHORITY OF TURKEY
2. Client ^(1b)	: BAŞAK TUR.İNS.OTO.SAN.TİC.LTD.ŞTİ. ANKARA/TURKEY
3. Name of core business and tender registration number if any	: İGDIR AIRPORT
4. Work place	: İGDIR / TURKEY
5. Subcontractor name/surname or trade name	: DİZAYN PİST BETON YOL İNŞAATI SAN.TİC.LTD.ŞTİ.
6. ID number/Tax Identification Number	: SİRİNYER V.D 301 054 983X
7. Work carried out by the subcontractor ^(1c)	: AIRPORT CONSTRUCTION OF SUPERSTRUCTURE AND INFRASTRUCTURE
8. Applied construction technique ^(1d)	: WEAK CONCRETE, CONCRETE QUALITY,excavation sub-basic and basic
9. Main work contract date	: 09.12.2010
10. Initial contract price of the main work ^(1e)	: 20.856.628,85 TURKISH LİRA
11. Total contract value of the main work ^(1f)	: 22.940.236,44 TURKISH LİRA
12. Date of contract between the subcontractor and the contractor ^(1g)	: 05.04.2012
13. Value of the contract made between the subcontractor and contractor ^(1h)	: 209.000,00 TURKISH LİRA
14. Partial/ Qualified acceptance of the work carried out by the subcontractor ⁽¹ⁱ⁾	: 06.07.2012
15. Temporary Acceptance of the main work	: The project has been completed
16. Total amount of document ^(1j)	: 209.000,00 TURKISH LİRA

SIGNATURE
BAŞAK TURİZM İNŞAAT
OTOLAR SAN. TİC. LTD. ŞTİ.
SİRKETİ
M. 2008 Çankaya / Ankara
Tf: 0312 441 59 73 Faks: 0312 441 81 36
E: info@basakina.com.tr

EXPLANATIONS

- (1a) Name of the administration conducting the Work Contract shall be written.
(1b) Name, surname or trade name of the work contractor shall be written.
(1c) Description of work of the contract made between Subcontractor and Contractor shall be written.
(1d) Regarding the specific characteristics of the building/construction, in terms of materials characteristic such as brick or stone masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, prefabricated construction, trussing, body construction technique and other similar matters showing the procedure for construction as well as matters showing the physical size of the construction such as construction area, audience capacity, closed indoor exhibition area and number of floors shall be written.
(1e) All changes of prices and VAT (included, if any discounts made from the tender, the contract price/value shall be written.
(1f) Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).
(1g) Date of Contract made between the subcontractor and the Main Work contractor.
(1h) Price of Contract made between the subcontractor and the Main Work contractor.
(1i) In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
(1j) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item (15) and the work carried out by the subcontractor described in item (7) shall be written.



CI APRON İNŞAAT

COMPLETION CERTIFICATE
(Sub-Contractor – Work Completion)

Date :

1. Work holder Administration ^(a)	: GENERAL DIRECTORATE OF STATE AIRPORTS AUTHORITY OF TURKEY
2. Client ^(b)	: EMT İNŞ.TURİZM.TİC.A.Ş ANKARA-TURKEY
3. Name of core business and tender registration number if any	: BİNGÖL AIRPORT
4. Work place	: BİNGÖL / TURKEY
5. Subcontractor name/surname or trade name	: DİZAYN PİST BETON YOL İNŞAATI SAN.TİC.LTD.ŞTİ.
6. ID number/Tax Identification Number	: ŞİRİNYER V.D 301 054 9838
7. Work carried out by the subcontractor ^(c)	: AIRPORT CONSTRUCTION OF SUPERSTRUCTURE AND INFRASTRUCTURE
8. Applied construction technique ^(d)	: WEAK CONCRETE, CONCRETE QUALITY,excavation sub-basic and basic
9. Main work contract date	: 29.01.2010
10. Initial contract price of the main work ^(e)	: 11.444.786,18TL
11. Total contract value of the main work ^(f)	: 13.732.808,03TL
12. Date of contract between the subcontractor and the contractor ^(g)	: 16.05.2012
13. Value of the contract made between the subcontractor and contractor ^(h)	: 977.927,30 TL
14. Partial/ Qualified acceptance of the work carried out by the subcontractor ⁽ⁱ⁾	: 15.10.2012
15. Temporary Acceptance of the main work	: The project has been completed
16. Total amount of document ^(j)	: 977.927,30TL

SIGNATURE

EMT
İNŞAAT TURİZM TİCARET A.Ş.
S.Ş. 01312 200 00 00
Tic. Sic. No: 270940
Mers: 08100012709400000000
Etiler/Beşiktaş/İstanbul

EXPLANATIONS

- (a) Name of the administration conducting the Work Contract shall be written.
 (b) Name, surname or trade name of the work contractor shall be written.
 (c) Description of work of the contract made between Subcontractor and Contractor shall be written.
 (d) Regarding the specific characteristics of the building/construction; in terms of materials characteristics such as brick or stone masonry, reinforced concrete, steel, wood, prestressed concrete and similar shall be written; also, prefabricated construction, tooling, body construction technique and other similar matters showing the procedure for construction, as well as matters showing the physical size of the construction such as construction area, audience capacity, closed indoor exhibition area and number of floors shall be written.
 (e) All changes of prices and VAT excluded; if any discounts made from the tender, the contract price/value shall be written.
 (f) Total amount of the contract shall be written, including statutory increases from first contract (except for changes in prices and VAT excluded, and if any discounts of the tender are made).
 (g) Date of Contract made between the subcontractor and the Main Work contractor.
 (h) Price of Contract made between the subcontractor and the Main Work contractor.
 (i) In case of partial acceptance of work done by the subcontractor, the acceptance date shall be written.
 (j) The smaller amount of the charges paid by the administration to the contractor as per the contract price specified in item(13) and the work carried out by the subcontractor described in item (7) shall be written.



CI APRON İNŞAAT



**ZAFER BÖLGESEL HAVALİMANI
PİST, APRON ve TAKSİYOLU
KALİTELİ KAPLAMALARININ
LCN/PCN ve PÜRÜZLÜLÜK
RAPORU**



ARAŞTIRMA DAİRESİ BAŞKANLIĞI

6886 / 2012



CI APRON İNŞAAT



T.C.
ULAŞTIRMA DENİZCİLİK VE HABERLEŞME BAKANLIĞI
Altyapı Yatırımları Genel Müdürlüğü

Sayı : B.11.0. DLH.0.19.00.06/210-01/18430
Konu : Zafer Havalimanı PAT Sahaları LCN/PCN
ve Pürüzlülük Raporu.

19/11/2012

İC İÇTAŞ ZAFER HAVALİMANI YATIRIM ve İŞLETME A.Ş.
Konur Sokak No: 58/204 Kızılay/ANKARA

İlgili : a) İC İÇTAŞ Zafer Havalimanı Yat. ve İşletme A.Ş. nin 17.09.2012 tarih ve 587 sayılı yazısı.
b) DHMİ Genel Müdürlüğünün 21.09.2012 tarih ve 68524 sayılı yazısı.

İlgili yazılarda Yap-İşlet-Devret Modeli ile ihale edilen ve İC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. taahhüdündeki "Zafer Bölgesel Havaalanı İnşaatı" işi bünyesinde yapımı tamamlanan PAT sahaları kaplamaları LCN/PCN ve pürüzlülük testlerinin yapılması talep edilmiştir.

Konu ile ilgili gerekli arazi çalışmaları 16-21.10.2012 tarihleri arasında Genel Müdürlüğümüz Araştırma Dairesi Başkanlığı teknik personeli tarafından yapılmış olup, hazırlanan rapor yazı ekinde gönderilmektedir.

Bilgilerinizi rica ederim.


Y. Metin TAHAN
Bakan a.
Genel Müdür V.

EKİ: 1 Takım Rapor (4 sayfa ve eki 4sayfa pafta)

DAĞITIMLI:

Bilgi:

- DHMİ Genel Müdürlüğü Etiler/ ANKARA
- İC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş.
Konur Sokak No:58/204 Kızılay /ANKARA



CI APRON İNŞAAT

T.C.
ULAŞTIRMA, DENİZCİLİK ve HABERLEŞME BAKANLIĞI
Altyapı Yatırımları Genel Müdürlüğü

Araştırma Dairesi Başkanlığı
Nükleer Ölçme ve Araştırma Şb. Md.

Rapor No : 8889
Rapor Tarihi : 12.10.2012



ZAFER BÖLGESEL HAVALİMANI
PİST, APRON ve TAKSİYOLU KALİTELİ KAPLAMALARININ
LCN/PCN ve PÜRÜZLÜLÜK RAPORU

1. KONU :

Bu rapor; DHMİ Genel Müdürlüğünün 21.09.2012 tarih ve B.11.2.DHM.0.80.02.00-755-68524 sayılı yazısı ve İC İÇTAŞ Zafer Havalimanı Yat. ve İşletme A.Ş. nin 17.09.2012 tarih ve 587 sayılı yazısı gereği Yap-İşlet-Devret Modeli ile ihale edilen İC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. taahhüdündeki "Zafer Bölgesel Havaalanı İnşaatı" işi bünyesinde yapımı tamamlanan PAT sahaları kaliteli kaplamaları üzerinde 16-21/10/2012 tarihleri arasında gerçekleştirilen LCN/PCN ve Pürüzlülük testlerinin değerlendirilmesine ilgilidir.

2. TESTLER:

2.1. LCN TESTLERİ:

Zafer Bölgesel Havalimanının 3000x45m pisti, 150x240m apron ve 24x362,5m boyutlarındaki taksiyolu kaliteli beton kaplamalarının yapımında ulaşılan performansların tespiti için gerçekleştirilen LCN testlerinde, yüklenici firma tarafından sağlanan kum yükü bir treyler test yükü olarak kullanılmıştır.

Test yükünden alınabilen en çok 132.2763 lb' lik yük transferleri ile deney tarihinde 28 günlük dayanımlarını tamamlamış kaliteli beton kaplamalarında, konumları ek sayfada gösterilen toplam 22 ayrı istasyonda LCN testleri gerçekleştirilmiştir. LCN testlerinde; a=12 inç'lik test plakası üzerinden kaplamaya aktarılan yüklere karşılık gelen defleksiyonlar ve a=18 inç'lik standart plakaya göre dönüşümler tablo halinde aşağıya çıkarılarak, elde edilen veriler üzerinde emniyetli yük değerlendirmeleri yapılmıştır.

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CI APRON İNŞAAT

Rapor No : 6888
Rapor Tarihi : 12.11.2017
Sayfa No : -2-



LCN TABLOSU

TEST No	ŞERİT (Hm)	KONUM	Ø=12 inç TRANSFER YÜKÜ (lb)	Ø=12 inç Plaka Max veya KIRILMA YÜKÜ (lb)	Max Def x0,001 (inç)	STANDART Ø=18 inç Plaka YÜKÜ (lb)	ORTALAMA YÜK (lb)	EMNİYETLİ YÜK (lb)
1	00+54 sağ 1	APRON	132.278	110.230	25	136.685	123.017	82.011
2	02+10 sol 2	APRON	132.278	110.230	24	136.685	123.017	82.011
3	03+57 sağ 2	APRON	132.278	110.230	26	136.685	123.017	82.011
4	05+13 sol 1	APRON	132.278	121.253	20	150.354	135.318	90.212
5	06+66 sağ 3	APRON	132.278	121.253	20	150.354	135.318	90.212
6	08+10 sol 3	TAK. Yolu	132.278	110.230	27	136.685	123.017	82.011
7	09+57 sağ 2	PIST	132.278	110.230	26	136.685	123.017	82.011
8	11+13 sol 1	PIST	132.278	110.230	24	136.685	123.017	82.011
9	12+60 sağ 1	PIST	132.278	121.253	19	150.354	135.318	90.212
10	14+40 sol 3	PIST	132.278	110.230	30	136.685	123.017	82.011
11	16+20 sağ 2	PIST	132.278	121.253	19	150.354	135.318	90.212
12	18+00 sol 1	PIST	132.278	121.253	21	150.354	135.318	90.212
13	20+10 sol 2	PIST	132.278	121.253	22	150.354	135.318	90.212
14	22+20 sağ 2	PIST	132.278	110.230	28	136.685	123.017	82.011
15	22+50	PIST	132.278	110.230	31	136.685	123.017	82.011
16	Ek Paftada	PIST	132.278	110.230	29	136.685	123.017	82.011
17	Ek Paftada	PIST	132.278	121.253	17	150.354	135.318	90.212
18	Ek Paftada	PIST	132.278	121.253	19	150.354	135.318	90.212
19	Ek Paftada	PIST	132.278	110.230	32	136.685	123.017	82.011
20	Ek Paftada	PIST	132.278	121.253	20	150.354	135.318	90.212
21	Ek Paftada	PIST	132.278	121.253	19	150.354	135.318	90.212
22	Ek Paftada	PIST	132.278	121.253	18	150.354	135.318	90.212

Ortalama Emniyetli Yük : X_{50} : 86.112
Yarım Standart Sapma : $\sqrt{s-1}$: 4.197
Tek Tekir Yük Eşdeğeri : ESWL : 81.915
Yük Sınıflandırma Sayısı : LCN : 115
Yük Sınıflandırma Grubu : LCG : I

2.2. HI-LO PÜRÜZLÜLÜK TESTLERİ:

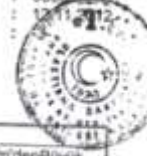
Zafer Bölgesel Havalimanının 3000x45m pist ve 150x240m boyutlarındaki apron kaliteli kaplama betonlarının yüzey profili üzerindeki lokalize pürüzlerin, "9-R Kaliteli Beton Kaplama Teknik Sarfamesi" tanımlarına uygun olarak tespiti için (3) metrelik mekanik master "SOILTEST CT-610 HI-LO Dedector" kullanılmıştır. Tespit edilen lokalize pürüzler, şeritlere göre sayısal olarak aşağıya çıkarılarak konumları ek sayfalarda gösterilmiştir. (Taksiyolu kaplamalarının gövdesi deney tarihinde tamamlanmamıştır)

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CI APRON İNŞAAT

Rapor No : 6886
Rapor Tarihi : 12.11.2012
Sayfa No : 1



PİST HI-LO TABLOSU (3x7,5m) (ek pafta)

ŞERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6mm'denBüyük (Ø)	3-6 mm Arası (-)	6mm'denBüyük (Ø)
Sol 3	10	2	30	2
Sol 2	15	0	18	1
Sol 1	12	1	29	1
Sağ 1	14	2	24	2
Sağ 2	16	0	31	2
Sağ 3	26	1	20	2
TOPLAM	95	6	152	10

DÖNÜŞ APRONLARI (3x7,5m) (ek pafta)

ŞERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6mm'denBüyük (Ø)	3-6 mm Arası (-)	6mm'denBüyük (Ø)
1	3	0	4	0
2	0	0	1	0
3	2	0	1	0
4	1	0	1	0
5	3	0	1	0
6	1	0	0	0
TOPLAM	10	0	8	0

APRON HI-LO TABLOSU (3x7,5m) (ek pafta)

ŞERİT NO	TUMSEK		ÇUKUR	
	3-6 mm Arası (+)	6 mm'denBüyük (Ø)	3-6 mm Arası (-)	6 mm'denBüyük (Ø)
1	1	0	2	0
2	2	0	2	0
3	0	0	0	0
4	1	0	0	1
5	1	0	2	0
6	1	1	3	0
7	1	1	5	0
8	3	0	4	0
9	4	0	1	0
10	2	0	0	1
11	1	0	0	0
12	1	0	1	0
13	0	0	1	0
14	1	0	2	0
15	0	0	0	0
16	0	0	1	0
17	2	0	0	0
18	0	0	1	0
19	1	0	0	0
20	0	0	1	0
21	1	0	1	0
TOPLAM	22	2	27	2

6/11/2012



CI APRON İNŞAAT

Rapor No : 6886
Rapor Tarihi : 12.11.2012
Sayfa No : -4-

2.3. RI (Roughness Index):

Zafer Bölgesel Havalimanının 3000x45m boyutlarındaki pist kaliteli beton kaplamaları Pürüzlülük İndeksleri (RI); DLH "9-R Kaliteli Beton Kaplama Teknik Şartnamesi" öngörülerine uygun olarak "SOILTEST CT-444 Electronics Roughness Indicator" kullanılarak tespit edilmiştir. Altı şerit olarak oluşturulan pist kaliteli beton kaplamaları üzerinde her şeritte en az 4 ölçüm yapılarak elde edilen verilerin değerlendirilmesi sonucunda ortalama indeksler tablo halinde aşağıya çıkartılmıştır.

ŞERİT NO	PÜRÜZLÜLÜK İNDEKSİ (RI) (inç/mil)	
	00+60 / 16+69	13+31 / 29+40
	Hm (1 mil)	Hm (1 mil)
Sol 3 (7,5m)	146	150
Sol 2 (7,5m)	143	149
Sol 1 ((7,5m)	149	148
Sağ 1 (7,5m)	146	144
Sağ 2 (7,5m)	145	149
Sağ 3 (7,5m)	144	147
DLH 9-R Nolu Kaliteli Beton Kaplama Şartnamesi Limiti: RI, Maksimum 150 inç/mil		

3. SONUÇ :

Yap-İşlet-Devret Modeli ile ihale edilen IC İÇTAŞ Zafer Havalimanı Yatırım ve İşletme A.Ş. taahhüdündeki "Zafer Bölgesel Havaalanı İnşaatı" işi bünyesinde yapımı tamamlanan pist, apron ve taksiyolu kaliteli beton kaplamaları üzerinde gerçekleştirilen testlerden alınan verilerin değerlendirilmesi sonucunda;

- Tespit edilen ve konuları ek sayfada gösterilen lokalize HI-LO pürüzler, sayısal olarak tablolarda verilmiştir.
- Pist Yüzeysel Pürüzlülük İndekslerinin şartlere göre; RI=143-150 inç/mil arasındaki değerleriyle "9-R Kaliteli Beton Kaplama Teknik Şartnamesi" ni sağladığı tespit edilmiştir.
- Zafer Havalimanının Pist, Apron ve taksiyolu kaliteli kaplamalarının eşdeğer performanslarda ve LCN 115 değerinde olduğu, tespit edilenek aşağıdaki değerlendirme yapılmıştır.

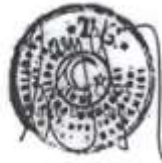
Zafer Havalimanı PAT Sahaları için;

PCN 110/ R / D / W / T

DLH İşletme Genel Müdürlüğü Anonim Sirkar Başkanlığı 4163/2006 sayılı "Kızıltepe-Afyon-Üşak Bölgesel Havalimanı Yatırım ve İşletme Şirkatı raporu" ile 01.08.2007 tarih ve 29073 sayılı "Kızıltepe-Afyon-Üşak Havalimanı Kaplama Kaliteliğin Raporu" verilerine göre, Zeminin "A" sınıfına girdiği" ölçümü 18,97 MN/m² olarak tespit edilmiş ve Zemin Sınıfı (SI) olarak tespit edilmiştir.

İsmail ÜSTEK
Kimyager

İsmail ÖZTÜRK
Nük Ölç ve Arş.Şb.Md. Y.





CI APRON İNŞAAT

انتهاء المهمة

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